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536.711‘ 28)6.169‘ 48‘ 2,31.:6 ;‘ 1<6‘ 5,5*28:6 ;‘ 1<6‘ 2416383;‘ :28==6=‘ 1<3,*><,*1‘ 182; ' <6‘ 1<366‘ =,.=‘ ,%‘ ,36.7,‘ ? 4613,‘ 4,+8..4‘ 4*248., 4613,‘ 96@ 694:4 4=‘ :<838:163‘ 8.9‘ A*824B 146= ‘ 4+421C(‘ 4.‘ 2,36.:6 4613,@=‘ 6D:6226.:6‘ 4.‘ 81<2614:‘ =5,31=‘ ' 4=‘)4.4=163‘ 4613,‘ 98‘ 4EE46.8 <8.>6‘ ,%‘ 5,2414:82‘ =41*814,.‘ 4.‘ 182; !681<‘ ,%‘ ,56‘ ...,:6.1‘ O F3 ,.=13,*=‘ 8116)51=‘ 1,‘ 53,2,.>‘ <4=‘ 24%6 #8+,.83,28@=‘ 53694:14,. 4=‘ 4.%2*6.:6‘ 4.‘ 2,B 36.:6‘ >36812;‘ 4.:368=69‘ E;‘ 1<6‘ =*::6==‘ ,%‘ 41 389*82‘ E*1‘ 38549‘ 4.:368=6@,%‘ 1<6‘ 8.14F 694:68.‘ 5831;‘ 4.‘ 2,36.:6 336=1‘ E;‘ 4613,‘ ,%‘ <4=‘ 1G,‘ :,*=4.= #4>.=‘ ,%‘ :,)4.>‘ =1,3)‘ 4.‘ 1<6‘ 5,2414:82‘ <,347,.‘ ,%‘ 182; <6‘ 6+42=‘ 8E,*1‘ 1,‘ %822‘ ,.‘ 182;‘ .6:6==8342;‘ 53,9*:69‘ E;‘ 1<6‘ >,+63.)6.182‘ 1<6,346=‘ 1<6.‘ 4.‘ +,>*6 6*982‘ 138.=)4==4,.‘ ,%‘ H4.>9,)=‘ 8=‘ %46%= #4=),.94‘ ,.‘ 1<4=‘ =*EI6:1 ‘ !4=5*169‘ =*::6==4,.‘ 1,‘ 1<6‘ 1<3,.6‘ ,%‘ 4%8526= *9,+4:,‘ 42‘ ,3,‘ 81‘ 428. =8E6228‘ ,%‘ 338>,.‘ G4%J‘ ,%‘ *9,+4:,@=‘ .65<6G‘ 4,B +8..4‘ 826877, K*83362‘ ,%‘ *9,+4:,‘ G41<‘ 1<6‘ L4.>‘ ,%‘ 8526=‘ =8E6228@=‘ >38.9%81<63 .=6:*36‘ 5,=414,.‘ ,%‘ *9,+4:,‘ 81‘ 428. ‘)5,318.:6‘ 1,‘ <4)‘ ,%‘ 1<6‘ 94=5,=414,.‘ 1,G839=‘ <4)‘ ,%‘ 4613,‘ 96@ 694:4)E8==89,3=‘ 1,‘ 1<6‘ .6G‘ ,56‘ 26D8.963‘ O !4=8B >366)6.1‘ E61G66.‘ *9,+4:,‘ 8.9‘ 4613,‘ ,.‘ 1<4=‘ =*EI6:1 8.9=‘ E62,.>4.>‘ 1,‘ 1<6‘ <*3:<‘ <629‘ E;‘ 38.:6=:<611,‘ ;E,‘ =,29‘ E;‘ <4)‘ 1,‘ O43>4.4,‘ 3=4.4 K*83362‘ 834=4.>‘ %3,)‘ 1<4=‘ 138.=8:14,.‘ E61G66.‘ *9,+4:,‘ 8349‘ 428.‘ 8.9‘ 1<6‘ 694:4 %163‘)*:<‘ <6=4B 1814,.‘ *9,+4:,‘ 96163)4.6=‘ ,.‘ 4.+414.>‘ 1<6‘ 36.:<‘ 1,‘ 4.+896‘ 182;‘ 284)=‘ ,%‘ 1<6‘ <,*=6‘ ,% .I,*‘ 1,‘ 8526=‘ 96=:6.969‘ 1,‘ <8326=‘ O 6:6514,.‘ E;‘ <4)‘ 8.9‘ E;‘ <4=‘ :,*31‘ ,%‘ 1<6‘ 53,5,=82‘ 1,‘ 4.+896‘ 182; <6‘ 4.:858:41;‘ "□M‘ <8326=‘ O #6:361‘ 13681;‘ E61G66.‘ <4)‘ 8.9‘ *9,+4:, ,*.=622,3=‘ ,%‘ <8326=‘ O ‘ .1‘ ;,.= #:83:41;‘ ,%‘),.6;‘ 4.‘ 1<6‘ 36.:<‘ :,*31 283)

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8) , . > 1<6 18248 . =1816= #56:4822; 81 2,36. :6 #8+, . 83,28 4= =63) , . = 81 1<4= 5634,9 4= 53,5<614: 96. *. :4814, . = <; 9628;69 #8+, . 83,28 96=436= 1<6 36. : < 4. +8=4, . <6 48>. , . 4(E, 314+6 8116) 51= 81 * . 4, . 8. 9 36: , . : 424814, . 8) , . > 1<6 18248 . =, +6364>. = <8326= :3, ==6= 1<6 25= 4= =18 ; 8. 9 422. 6== 81 =14 #<8EE ;) 68. = *=69 E ; <4) 1, 384=6) , . 6 ; 3, G4. >) *1*82 94=>*=1= E61G66. 1<6 36. : < 8. 9 *9, +4: , , . 9*: 1 , % 1<6 36. : < 4. ,) E839 ; <8326= 81 O 8+48 4= 4. 163+46G 1<636 G41< 4, B +8. . 4 4D46877, ! 681< , % 1<6 281163 36. : < 83) ; 368: <6= , . F 136) , 24

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#165= 18H6. E ; 2%, . =, , % 8526= %, 3 1<6 96%6. : 6 , % <4= H4. >9,) 6 =6. 9= 8 %2661 1, 6. , 8 <6 36. : < G83. 69 E ; 1<6 8394. 82 96228 L, +636 836 1<636 E6%, 36 <4) ! *H6 , % 3268. = 81 6. , 8 855822, 81126 1<636 E61G66. 1<6 685, 2418. = 8. 9 1<6 36. : < , *1 , % 1<6 18248. = , 334E26 813, : 4146= 56356138169 E ; 1<6 36. : < ! 4=<, . 6=1 36536=6. 1814, . , % 8 36. : < <4=1, 348. P%26: 1 , % 1<4= E81126 1<3, *><, *1 182; 6. 6382 8283) 4. 182;) 6. = 8. 9 5, 316. 1= , % : ,) 4. > 13, *E26 *4: : 48394. 4 , . 1<4= =*EI6: 1 36. : < 8) E8==89, 3= 81 +834, *= 18248. : , *31= 6: 6514, . , % 1<6) E , 56 E ; 1<6 6. 6148. = E ; 2,36. : 6 6624. > , % 2,36. : 6 , . 1<6 =*EI6: 1 94%%636. 1 %3,) 1<81 , % 1<6 694: 4 36: 8B 34, *= 5, =414, . , % 4613, 9, @ 694: 4 . =G63 , % 2,36. : 6 1, 1<6 36. : < 8) E8==89, 3= <8326= E8. 4=<6= %3,) 38. : 6 1<6 =63+8. 1= , % 1<6 694: 4 E*1 . , 1 , 1<63 2,36. 14. 6= 9+8. : 6 , % 1<6 36. : < 83) ; 1<3, *>< 1<6 *. 4>48. 8 3*62146= 56356138169 E ; 1<6) 81 4+4778. , <6 8>38 8=42; 96%6. =4E26 24. 6 84%, 3969 E ; 1<81 34+63 ' <6 36. : < E6=46>6 #8378. 8 3681 8283) 81 2,36. : 6 . : 368=4. > *. 5, 5*28341; , % 4613, 96@ 694: 4 4= 58. 4: 1633, 3 6 %, 3) = 8 =*996. 36=, 2*14, . 1, >, 1661<6 36. : < H4. > 81 #8378. 8 4= 8334+82 81 1<6 36. : < :8) 5 F ! 8=18392; :, . 9*: 1 1<636 36. : < 83) ;) 83: < , . 1, 4=8 4613, 361*3. = 1, 2,36. : 6F . 94>. 814, . 4. 1<6 : 41; 6, Q514, . 1<636 , % 4613, <6 1, : =4. E622 3*. > 116) 51 , % 4613, 1, 5*1 9, G. 1<6 94=:, . 16. 1 , % 1<6 : 41; E ; %, 3: 6 4613, 36%*=69 89) 4118. : 6 1, 1<6 ! " 6 268+6= 1<6 : 41; 8. 9 %246= 1, , 2, >. 8 O84. 8116) 51 , % ER= E3, 1<63 4, +8. . 4 1<6 8394. 82 1, =16) 1<6 1496 6 4= , E24>69 1, %, 22, G <4= E3, 1<63 6=: 856= 4. 1<6 94 =>*4=6 , % 8 %3483F'S"'2"'T4, R 1<6 1<439 E3, 1<63 82=, 268+6= 1<6 : 41;

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.6:9,16 ,% 4613, 96@ 694:4 8.9 *9,+4:, 42 ,3, ,.%*=4,. 4. 2,36.:6 8%163 1246 %24><1 ,% 4613, <6 5,5*28:6 G41<,*1 >*498.:6 =8+6 1<81 ,% #8+,.83,28 4. <4= =63),.= 4.1<6 !*,), 4= 53*B 96.:6 <6 5828:6 ,% 1<6 694:4 8.9 ,1<63= =8:H69 #8+,.83,28 8E=6.1 %3,) 1<6 :41; <6 36.:< H4.> 81 4=8 6 >4+6= 1<6 4=8.= 1<643 24E631; 2,36.14.6 :,)) 4==8346= 934+6. ,*1 <6 36.:< H4.> 81 #4>.8 #6.9=) 6==6.>63= 1<6.:6 1, 4613, 96@ 694:4 81 ,2,>.8 O46G= 536+8424.> 4. 1<6 36.:< :,*31 8.9 :8) 5 36=56:14.> 2,36.:6 4=>4+4.>= ,% 1<6 2,36.14.6= .13; ,% 1<6 H4.> 4.1, 2,36.:6 #1816 ,% 5*E24: %6624.> 4. 2,36.:6 #8+,.83,28@= 28>622*) ! 64(' 63=,.82 8556838.:6 ,% 1<6 36.:< H4.> 6 36%*=6= 1, <8+6 <4= <,3=6 269 E;) 6) E63= ,% 1<6 #4>.,348 !8.>63,*= 5,=414,. ,% 1<6 36.:< 83); 4. 2,36.:6 3,>536== ,% L4.> <8326= %3,) 1<6 >816 1, 1<6 5828:6 ,% 1<6 694:4) 536==4,.) 896 E;' 2,36.:6 ,. 1<6) 4.9= ,% 1<6 36.:< #*996. 8283) 4. 2,36.:6 4><1 E61G66. 1<6 #G4== =,29463= 8.9 1<6 1,G.=) 6. 6>,14814,.= G41< 1<6 H4.> <6 G4%6 8.9),1<63 ,% 4613, >61 8E,*1 <4) ,*3 :,)) 4==4,.63= %,3 :,.9*:14.> 1<6F .6>,14814,.= G41< 1<6 36.:< H4.> 38.:6=:, O82,34 4613, 855,.4 D,3E418.1 53616.=4,.= ,% 1<6 36.:< 116) 51= 1, 36B 4) 5,=6 1<6 694:4 6I6:169 G41< 4.94>.814,. E; 1<6 2,36.14.6= ' <6; :,.=6.1 1, 13681: . 1<6 %,,:4.> ,% 8),.6; 58;) 6.1 1, E6) 896 E; 1<6 :41; <6 36.:< H4.>@= *214) 81*) ,3. E6%,36 <4= %8:6 E; 855,.4 2,36.14.6 8.=G63 1, 36.:< 4.9,B 26.:6 ' 3681; 8= *214) 8162; 8>3669 1, <6 36.:< A'*41 2,36.:6 Y

<6 2,36.14.6= 68>63 %,3 1<6 965831*36 ,% <8326= =6.9 #8+,.83,28 1, <4) <6 36.:< 4. 268+4.> 2,36.:6 =1682 822 1<6; :8.28; 1<643 <8.9=, . .6G>,+63.) 6.1 1, E6 :,.=141*169 !4%%4:*2146= 4. 1<6 G8; ,% 9,4.> =, !681< ,% ,24748., 4= :<838:163 !681< ,% 4:, 96228 438.9,28 6894.>) 6., G<,) 1<6 :836 ,% 36:,.B =13*:14.> 1<6 >,+63.) 6.1 %622 #63),., ,% #8+,.83,28 E6%,36 1<6) Z' 8394@= ,54.4,., % 1<6 3483 !4%%4:*21; 4. G41<=18.94.> 1<6 G422

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,%' #8+, .83,28 3,5,=82' ,%' 1<6' #4>. ,348' 1,' 1<6' 56,526 G6.1;' ' : : ,55481,34(' 855,4.169 D6:*14,.' ,%' .1,.4,' 94' 63.839,' 1<63' +4:14)=' =8+69' %3,)' 1<6' 5,5*283' %*3;' E;' #8+, .83,28'' ! 4==6.=4,.=' 8),.>' 1<6' : : ,55481,34(' 36.963' 1<6)' 5,G6326==' ,' 5,2414:82' 268963=' 4.' 2,36.:6 #8+, .83,28' 1<6', .2;')8.' G<,' :,*29' 3*26' 1<6' 56,526 43:*)=18.:6=' G<4:<'*.%41169' <4)' %,3' 1<81' 18=H .%41.6==' ,%' 822' 5346=1=' %,3')69924.>' ;41<':4+42' >,+63.)6.1' >41814,.' 4.' 2,).:6 36+8424.>' .,14,.' ,%' 1<6' 6D56946.:;' ,%' 4)41814.>' 1<6' O6.6148.' :,.=141*14,. <;' .,1' %68=4E26 3>*B)6.1=' %,3' 8.9' 8>84.=1' 1<6' :36814,.' ,%' 8' 3681' ,*.:42 O6.6148.' '>6.126)6.(' 8.9' 2,36.14.6' ':41476.=(' 'K*824%4:814,.=' %,3' 89)4==4,.' 1,' 1<6' 3681' ,*.:42 #8+, .83,28' E6>4.=' 1,' 5368:<',.' 1<6' 5,2414:82' A*6=14,.=' ,%' 1<6' 14)6 6341' ,%' 1<6':,.=141*14,.' 628B E,38169' E;' #8+, .83,28' 4.' 1<6=6' =63),.= ,.=141*14,.' ,%' 1<6' 3681' ,*.:42 ,.=13*:14,.' ,%' 1<6' #828' 94' 4.A*6' 6.1, 26:14,.' ,%' 8' #6.816' ,%' 4><1; <6' 3681' ,*.:42' <89' .,' 26>4=2814+6' 4.414814+6' <6' : : ,55481,34(' 36=4>.' 1<643' ,%%4:6=

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83:<',%' 1<6' 36.:<' 83);' 1<3,*><' 182; .1436' =*::6==' ,%' 1<6' 36.:<' 83)= 34*)5<8.1' 6.13;' ,%' <8326=' 4.1,' 8526= ,.9*:1' ,%' 1<6' 36.:<' 81' 8526= <8326=' 268+6=' 8526= 68:<6=' ,)6 ' <8326=' 81' #46.8 6624.>=' 81' 2,36.:6' 1,G839=' 1<6' %6.:<' H4.>' #8+, .83,28' +4=41=' <8326=' 81' ,>>4E,.=4 <8326=' 81' 4=8 68+6=' !@ .138>*6=' 4.' :,))8.9' ,%' 1<6' :418962' ' 6>,14814,.=' G41<' 1<6' 36.:<' 81' =14 3963' %,3' 1<6' 36=1,3814,.' ,%' 4=8' =6.1' 1,' *=:8.; ' ! 4=,E6;69' E;' ! @ .138>*6=' ' <,' 6+6.1*822;' >4+6=' *5' 1<6' :418962' 1,' 1<6' 4=8.= #13,.>' 96=436' 81' 2,36.:6' 1,' 36:,.A*63' 4=8' 4=8.=' >4+6' 1<6)=62+6=' *5' 1,' 428.' 8.9' O6.4:6 *9,+4:,' ,%' 428.' 563=*896=' O6.4:6' 1,' *.96318H6' 1<6' <,294.>' ,%' 4=8' 82,.6' 2,36.:6' 36%*=6=' 1,' I,4.' 1<6' 268>*6' *.26==' 4=8' E6' 36=1,369' 1,' <63' ' <;' #8+, .83,28' G8=' 8.D4,*=' %,3' 1<6' 36.:<' H4.>' 1,' 3694*3.' 1,' 182; 4=' 53,5<6:46= 8182' 581<'6.16369' ,.' E;' #8+,B .83,28 ' .)41;' 6D:4169' E;' <4=' 5368:<4.> 83146=' 4.' 2,36.:6 ' ' 48>.,.4(' ' ' 114)814(' ' ' 338EE4814(' ' 81*36' ,%' 1<6 3483@='),382' 4.%2*6.:6 6:6==41;' %,3' >6114.>' *5' =,)6' ,*1G839' 8.9' +4=4E26' =4>.' ,' ,%' 41 83.4+82' ,%' WUX[<6' 3483@=' .6G' G8;' ,%' H6654.>' 41 <6' E*3.4.>' ,%' '1<6' +8.4146=(81*36' ,%' 1<6' ,EI6:1=' E*3.69 =14)8169' +82*6' ,%' 1<6) #54341*82' =,.>=' %,3' 98.:4.> ' ,)58369' G41<'1<6' =,.>=' ,%' ,*3' ,G.' *3418.=' ' Z " Z

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.8.4),*=' 96=436' ,%' 1<6':41476.=' 1,' 36:,+63' 4=8 =,2814,.' ,%' 2,36.:6' <6' O6.6148.= <6' ,56 <6' ! *H6' ,%' 428. 2248.:6' ,%

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2,36.:6G41< 38.:6 O46G= ,% #8+,.83,28 !4+4=4,.' ,% ,54.4,.' 4.'N 2,36.:6 83146='4.'1<6 3681 ,*.:42 !681<,% 4613,' 84R5,.4 F' =:6.98.:;',%1<6 (' 3816=:<4(.+41814,.'1,' 8D4)4248.'H4.>' ,%1<6 ,)8.='1,')83:<4.1,' 182; 4=.6>,14814,.='81 2,36.:6 2,36.14.6 3652; 8D4)4248.@=),+6)6.1='4.' 182; 4=96F ' 5831*36%3,)' 182; 38.:6=:,'O82,34' ,.%82,.4636 #*::66969'4.' 1<81 ,%%4:6E;' 63.839,'%462 63, 116)51 ,% 4613,'96@ 694:4 1,'6.163 1<,':41; 6=*21=',%1<81 *.=*::6==%*2 8116)51 .968B +,*3 ,% 8 5831 ,% 1<6 #4>.,3;'1,' ,E184.'1<6 :,.96).814,.' ,% #8+,.83,28 !4=1*3E8.:6 81 1<6 81<6938 ,.' =:6.=4,.'98; ' #8+%1483,28 6D:,))*.4:8169 !4=:,+63;',%8 52,1 %,3 1<6 36=1,3814,.' ,% 1<6 694:4 4+6 :41476.= 8336=169 !4%%4:*2146= 36=56:14.>'1<6 1348 ,% 1<6) ,839 ,% 1G,'<*.9369 :41476.= 855,4.169 %,3 1<4= 5*35,=6 .I*94:48 :<838:163 ,% 1<4=@E,839 !4=:*==4,.' ,% 1<6)81163 4.'1<4= 8==6)E2; 4.6 18H6.'E;'1<6 96%6.963= ,% 1<6 %4+6 :41476.= 5568 1,'1<6 3681 ,*.:42 O4,26.1 96E816= ,.'1<6 A4D6=14,.' ,% 822,G4.>'1<4= 855682 D:416)6.1 4.'1<6 :41; 226>82 +4,26.:6 ,% 1%46 ,.%82,.463M ,% 1<6 *429= #:6.6 ,% :,.%*=4,.'4.' 1<6 I*9>)6.1 <822 61163= %3,)' ,)6 36:64+69 9*34.>'1<6 I*9>B)6.1 %46:1 ,% 1<6) ,.96).814,.' ,% 1<6 534=,.63= G41<,*1 855682 4)4941;',% 1<6 #4>.,3; 'O4,26.:6 ,% 38.:6=:,'O82,34 6 %,3:6= 1<6 #4>.,3;'1,' +,16 1<6 :,.96).814,. <6 534=,.63=' E3,*><1 4.1,' 1<6 <822 4.' <,56 ,% 6D:414.>' 541; <6 8116)51 *.=*::6==%*2 38.:6=:,'O82,34 53,+496= %,3 1<6 6D6:*14,.',% 1<6 =6.16.:6 ,.' 1<6 %4+6 534=,.63= ' <6 6D6:*14,.' ,% 1<6) 831 18H6.'4.'1<4=)81163 E;'# 8+,.83,28 W

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<6 3816=:<4(' 4.'1<6 8=:6.98.1 #8+,.83,28 E6>4.='1,'2,=6 >3,*.9 4.'1<6 :41; <6 *.16.8<46.6==' ,%'<4= 5,=414,.' 8= 8 81<,24: ' ,3)814,.',% 1<6 :,)58.:',% 1<6 ' ,)58>.8:,4 ',9634.4 8.9 <4= =,. %%,31= ,% 1<6 #4>.,3;'1,' 4.9*:6 1<6 ,56 1,'G41<938G <4= 6D:,))*.4:814,. #8+,.83,28 8%163F=4D),.1<=@=426.:6 96163B)4.6='1,'5368:<4.'96%48.:6,% 1<6 6D:,))*.4:814].3,<4E414,.' ,1 1<6 83:<E4=<,5 !6:4=4+6 8:14,.',% 1<6 #4>.,3;'4.'#8+,.83,28@= %8+,*3 #8+,.83,28@='83>*)6.1='4.'I*=14%4:814,.',%'<4='94=,E6946.:6 1,' 8582 8*1<,341; *14241;',% 1<6) 4= 53,5<6:46= ' A*4+,:82 6D528.814,.',% 1<6.,.F%*2%42)6.1',% 1<6) <6 8),*.1 ,% E6246%' <6<89 4.'E4= 53,5<614:82 >4%1 #6:,.9 E*3.4.>',% 1<6'+8.4146=(' !4=8553,+69 E;'8 283>6 5831;'4.'1<6 :41; %%6:1 53:9*:69 E;' #8+,.83,28 ,.' 1<6 G,329 81 283>6 ' 683 89969'1,' 1<6 8.>63 ,% 1<6 ,56 6>,14814,.= ,% 1<6 #4>.,3;'G41<'1<6 ,56 2,36.14.6 96163)4.814,.' .,1 1,'>4+6 *5 #8+,.83,28 1,' E6 I*9>69 81 ,)6 #8+,.83,28 53,<4E4169 %3,)'5368:<4.>F 4.'1<J :81<69382 <6 8*>63 ,% 1<6 ,56 8>84.=1 1<6 #4>.,3; 84.%*2 5,=414,.',% 1<6

2,36.14.6 6.+,;= 81 L,4.6 #8+,.83,28 53,<4E4169 %3,) 5368:<4.> 81 822 4= 6.968+,*3= 1, :8*=6 1<6 :8224.> ,% 8 :,*.: ,% 1<6 <*3:< 4=) 6==6.>63 1, 38.:6 8336=169 4. 428. 8.9 <4= 261163= =6.1 1, 1<6 ,56 8>6 ,%1<6 281163 .) 41; ,%1<6 38.B :4=:8.= 1, #8+,.83,28 <8226.>6 1, 1246 ,39682 E; %436 ' 38 !,B) 6.4:, <6 1<366 ! ,% #8+,.83,28 <6 ,39682 E; %436 53,B),169 E; 1<6 ,) 58>.8::4 (<643) ,14+6= !4%%4:*21; 4. E34.>4.> 1<6F 38.:4=:8.= 1, 1<6 5,4.1 38 4*248., ,.94.6224 :,.=6.1= 1, E6 1<6 :<8) 54,. , 1<6 5831 ,% 1<6 38.:4=:8.= <6 :,.9*:1 ,% #8+,.83,28 G41< 36>839 1, 1<6 ,39682 % 1<6 #4>.,3; %6G =8.6) 6. =134+6 1, 536+6.1 1<6 ,39682 48>.,.4(8.D4,*= %,3 41 #8+,.83,28@= +8:422814,. , 1<6 =*EI6:1 #6+6.1< ,% 5342 %4.822; 855,4.169 %,3 1<6 ,39682 338.>6) 6.1= %,3 41 4. 1<6 48778 #:6.6 4. 1<6 48778 ,. 1<6) ,3.4.> ,% 1<6 #6+6.1< <6 5426 63>4+63=814,. ,%1<6 38.:4=:8.=) 58146.:6 ,% 1<6 56,526 8==6) E269 4. 1<6 48778 !4=1*3E8.:6 4. 1<6 48778 83:*::4, #82+4814 !6163) 4.814,. ,% 1<6 5,5*28:6 1, 8G841 1<6 =56:18:26 ,% 1<6 ,39682 #:<,28=14: 94=:*==4,. E61G66. 1<6 !,) 4B .4:8.= 8.9 38.:4=:8.= <6 #4>.,3; %,3E49 53,:6694.> G41< 1<6 ,39682 !4=855,4.1) 6.1 8.9 8.>63 ,% 1<6 56,526 .I*=14:6 1,B G839= #8+,.83,28 653,8:<6=) 896 1, <4) E; <4= ,G. 5831; Z 4= <*) 424814,. 61*3. 1, 1<6 :,.+6.1

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.I*3; 9,.6 1, #8+,.83,28 E; 1<6 53,5,=82 ,% 1<6 ,39682 4+6= ,% 48>.,.4(.,1 =8%6 4. 1<6 =13661= 3,5,=82 ,% 1<6 38F 16=:<4 (5831; 1, 18H6 *5 83) = 3616:169 E; 38.:6=:, 82,34 4= :<838:163 #*.98; 1<6 Z 1< 5342 WUX 4. 2,36.:6 #8+,B .83,28 5368:<6= 96=5416 1<6 :,)) 8.9= ,% 1<6 #4>.,3; 4= 28=1 =63) ,. #63) ,. E; 3C 834C., 96> - ><4 81 1<6 :81<69382 ! 4=1*3E8.:6= 4. 1<6 :41; 118:H E; 1<6) ,E ,. 1<6 ,.+6.1 ,% #1 83H !6%6.:6 E; 1<6) ,.H= 38.:6=:,O82,34 6=:856= %3,) 1<6 :,.+6.1 = H42269 E; 1<6) ,E .683 <4= ,G. <,.=6 4= G4%6 82=,) *396369 .%8) ,*= :,.9*:1 ,% 1<6 #4>.,3; <6) ,E E368H 4.1, 1<6 :,.+6.1 3C 6.69611, , 1<6 3, ,% #8+,.83,28 18H6= ., 5831 4. 1<6 %4><14.> .6:9,16= ,% 1<6 %4><14.> 4. 1<6 :<*3:< 226>82 53,:6694.> ,% 1<6 #4>.,3; <6 :<*3:< 9,,3= %4369 3C .34:, 42 696=:, #8+,.83,28 2689= 1<6) ,.H= 1, 1<6 24E383; 4= 6D<,31814,.= 1, 1<6) 3963 =6.1 E; 1<6 #4>.,3; %,3 1<6 8336=1 ,% #8+,.83,28 3C 82816=18 #863,) ,3, 528;= 1<6 5831 ,% T.98= #8+,.83,28 G41< 3C ! ,) 6.4:, 8.9 8.,1<63 8336=169 8H6. G41< 94%44:*21; 1<3,*>< 1<6 :3,G9 1, 1<6 !) B 534=,.69 4. =6583816 :622= 553,E814,. ,% ,56 26D8.963 ,% *9,+4:, ! *H6 ,% 428. ' 6G= ,% 1<6 9681< ,% <8326= ,% 3 8 . : 6 W

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336=1ʻ ,%ʻ 89<636 .1=ʻ ,%ʻ #8+ , .83 ,28 <6ʻ) 4 .9ʻ ,%ʻ 1<6ʻ 5 ,5*28 :6ʻ 1*3 .69ʻ 8>84 .=1ʻ <4) ʻ ʻ 53814 :8ʻ (ʻ :8226 9ʻ 1 ,ʻ 96 :496ʻ , .ʻ G<81ʻ G8=ʻ 1 ,ʻ E6ʻ ʻ ʻ 9 , .6ʻ 4 .ʻ <4=ʻ :8=6 ,839=ʻ ,%ʻ) 8>4=13816=ʻ 58 :H69ʻ 1 ,ʻ 6 .=*36ʻ <4=ʻ : , .B 96) .814 , . 4=ʻ : , .96) .814 , .ʻ 53696163) 4 .69 *) 63 , *=ʻ 4226>8B 24146=ʻ ,%ʻ 1<6ʻ 53 , :6694 .>=ʻ 4 .ʻ 1<6ʻ 13482 D8) 4 .814 , .ʻ G41<ʻ 1 ,31*36ʻ 53 ,2 , .>69ʻ %,3ʻ 8ʻ) , .1< 65 ,31=ʻ ,%ʻ 1<6ʻ 6D8) 4 .814 , .ʻ >83E269 ʻ <366ʻ 5 ,4 .1=ʻ , .ʻ G<4 :<ʻ 1<6ʻ 6D8) 4 .814 , .ʻ 1*3 .69ʻ ʻ<4=ʻ 3624>4 , *=ʻ 9 , :134 .6 <4=ʻ 5 ,2414 :82ʻ : , .9*:1 <4=ʻ :284) =ʻ 1 ,ʻ 53 ,5<6 : ; 08 :4228B 14 , .=ʻ 8 .9ʻ 4 . : , .=4=16 . :46=ʻ ,%ʻ #8+ , .83 ,28ʻ , .ʻ 1<4=`28=1ʻ <689 #1384><1B %,3G839ʻ :2683 .6==ʻ , .ʻ 1<6ʻ ,1<63ʻ 5 ,4 .1= ,Gʻ %83ʻ G8=ʻ #8+ , .83 ,28ʻ =4 . :636ʻ 4 .ʻ 1<6ʻ) 81163ʻ ,%ʻ <4=ʻ =*563 .81*382ʻ >4%1= ! 4%%4 : *2146=ʻ ,%ʻ 1<6ʻ #4>. , 3 ;ʻ 1 ,ʻ %4 .9ʻ >3 , *. 9ʻ %,3ʻ : , .96) .814 , .ʻ ʻ 6==63ʻ 6 : : , .4ʻ 1<6ʻ . ,183 ; *. 96318H6=ʻ 1 ,ʻ %82=4% ;ʻ 1<6ʻ 53 , :6== ʻ %36=<ʻ 13482 ʻ G41<ʻ 36B .6G69ʻ 1 ,31*36 6==63ʻ 6 : : , .4ʻ %842=ʻ 1 ,ʻ =814=% ;ʻ 1<6ʻ #4>. , 3 ; ' 1B 16) 51ʻ 1 , '<8+6ʻ 8ʻ 1<439ʻ 13482 8E8 .9 , .69 G , ʻ 69414 , .=ʻ ,%ʻ 1<6ʻ 53 , F ʻ F :6=ʻ 534 .169ʻ E ;ʻ 1<6ʻ #4>. , 3 ; #8+ , .83 ,28@=ʻ =4>. 81*36ʻ 1 ,ʻ 1<6ʻ 53 , :6694 .>=ʻ <, Gʻ , E184 .69ʻ ʻ 81*36ʻ ,%ʻ 1<6ʻ ʻ 8 .9ʻ 6DB 536==4 , .=ʻ 6) 52 , ;69ʻ E ;ʻ <4) ʻ 4 .ʻ <4=ʻ 6D8) 4 .814 , .= 3482ʻ ,%ʻ 38ʻ ! ,) 6 .4 : , 3482ʻ ,%ʻ 38ʻ #42+6=13 , ,%ʻ ,1<63=ʻ ,%ʻ #8+ , .83 ,28@=ʻ 89<636 .1= , .9*:1ʻ ,%ʻ 1<6ʻ 3483=ʻ ,%ʻ #1ʻ 83H <6ʻ ,56ʻ =1422ʻ 4 .=4=1=ʻ 1<81ʻ #8+ , .83 ,28ʻ =<, *29ʻ E6ʻ >4+6 .ʻ *5ʻ 1 ,ʻ <4) <6ʻ >, +63 .B) 6 .1ʻ 36%*=6ʻ 1 ,ʻ 9 ,ʻ 1<4= ʻ .6Gʻ #4>. , 3 ;ʻ 626 :169 226>82ʻ 6D :2*B =4 , .=ʻ %3 ,) ʻ 1<6ʻ 3681ʻ , *. :42 <6ʻ .6Gʻ #4>. , 3 ;ʻ 8=ʻ <, =1426ʻ 1 ,ʻ #8+ , B .83 ,28ʻ 8=ʻ 1<6ʻ 536 :694 .> ,56ʻ 4 .+4169ʻ 1 ,ʻ =6 .9ʻ : ,)) 4==4 , .63=ʻ 1 ,ʻ 2 ,36 . :6ʻ 1 ,ʻ =*5634 .16 .9ʻ 1<6ʻ : , .96) .814 , .ʻ 8 .9ʻ 6D6 : *14 , .ʻ , %ʻ #8+ , B .83 ,28 <4=ʻ 53 ,5 , =82ʻ 8 :169ʻ , . ' 6Gʻ 6D8) 4 .814 , .ʻ E ;ʻ 1<6ʻ 8582ʻ : ,)) 4==4 , .63= #6 .16 . :6ʻ 58==69 <6ʻ 634 (ʻ 4 .ʻ #8+ , .83 ,28@=ʻ : , .96) .69ʻ :622 8=1ʻ 4 .163+46Gʻ E61G66 .ʻ #8+ , .83 ,28ʻ 8 .9ʻ 38ʻ ! ,) 6 .4 : ,ʻ 8 .9ʻ 38ʻ #42+6=13 , 636) , . ;ʻ ,%ʻ 6 : : 26=48=14 :82ʻ 96>38B 9814 , . ' 36583814 , .=%,3ʻ 1<6ʻ 6D6 : *14 , . 8H4 .>ʻ 1<6ʻ) , .8=14 :ʻ <8E41ʻ %3 ,) ʻ 1<6ʻ 534= , .63= <6ʻ %,3) 82ʻ : *114 .>ʻ ,%% %3 ,) ʻ 1<6ʻ <*3 :<ʻ ʻ 8 .9ʻ <8 .94 .>ʻ ,+63ʻ 1 ,ʻ 1<6ʻ =6 : *283ʻ 83) , .9*:1ʻ ,%ʻ 1<6ʻ 1<366ʻ 534B =, .63=ʻ 81ʻ 1<6ʻ 528 :6ʻ ,%ʻ 6D6 : *14 , * .%8) , *=ʻ : , .9*:1ʻ ,%ʻ 1<6ʻ 5 ,5*B 28 :6 <6ʻ 6D6 : *14 , *ʻ WY

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*4 : : 48394 .4@=ʻ 16=14) , . ;ʻ 1 ,ʻ 1<6ʻ 36=*21=ʻ ,%ʻ #8+ , *83 ,28@=ʻ 168 :<4 . > ʻ ,2414 :82ʻ 8=56 :1ʻ ,%ʻ 8%%843=ʻ 8%163ʻ #8+ , .83 ,28@=ʻ 9681< <6ʻ G83ʻ ,>84 .=1ʻ 4=8 ! 652 ,38E26ʻ =1816ʻ ,%ʻ 1<4 .>=ʻ 4 .ʻ 1<6ʻ 2 ,36 .14 .6ʻ :8) 5 ʻ *9 ,+4 : ,ʻ ,%ʻ 428 .ʻ I682 , *=ʻ ,%ʻ 06 .4 :6 6ʻ 96 :496=ʻ , *ʻ >4+4 .>ʻ 8==4=1B 8 .:6ʻ 1 ,ʻ 2 ,36 . :6 ,56ʻ G422ʻ . ,1ʻ 9 ,ʻ 8 . ; 1<4 .>ʻ 1 ,ʻ 8==4=1ʻ 2 ,36 . :6ʻ 8 .9ʻ G<; 4=ʻ +46G=ʻ %,3ʻ <4=ʻ =, . <6ʻ 9681<ʻ ,%ʻ &' (&) *&ʻ : , .F

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134E*169 1, 36.963 *9,;4:, %8+,*38E26 1, 2,36.:6 ,*4= FV ,% 38.:6 4= :284) 1, 1<6 !*:<;, % 428. ,*4= 5365836= 1, 4.+896 182; 8=4= ,%1<6 82248.:6 E61G66. ,*4= 8.9 1<6 ,56 !4=56.=814,. >38.169 1, 1<6 36.:< H4.> 2,36.14.6 13,,5= 96%681691 E; 1<6 4=8.= 4. 8; WUX 8,2, O416224 6.>8>69 E; 1<6 2,36.14.6= 81634.8 ##%,378 2248.:6 G41< <63 8.9 <63 =,. 116) 51 1, .6>,14816 G41< O6.4:6 *.=*::6==%*2 #*::6==6= ,% 8,2, O416224 4. 1<6 94=134:1 ,% 4=8 <6 2,36.14.6= 94=8553,+6 ,% <4= :,.9*:1 ,%1<6 G83 #*=56:1 <4= >,,9 %841< ' 831; =54341 26== +4,26.1 4. 1<6 :41; O6.6148.= 4. 268>*6 G41< 1<6 694:4 4.+896 1<6 8=6.14., #*::6== ,% 8,2, O416224 8>84.=1 1<6) <6 EE,1 8=424, .>38141*96 ,% 2,36.:6 1,G839= O416224 #*=54:4,.= 8.9 94=:,.16.1= 4. 2,36.:6 !*H6 ,% 3E4., 822,G69 1, A*41 4EE46.8 O6.4:6 96163) 4.6= ,. G41<938G4.> %3,) 4=8 63) = ,% 1<6 8>366) 6.1 4=8 36%*=6= 1, =*E) 41 ' .16.14,.= ,% *9,+4:, G41< 36>839 1, 2,36.:6 T682,*=; E61G66. 83.6=6 8.9 O416224 3681 ,*.:42 36%*=6 1, +,16),.6; %,3 1<6 G83 'O,16= =,)6),.6; 81 28=1 4. 8; WUXX L6.6G82 ,% 1<6 =13*>>26 E6%,36 4=8 *31<63 =*::6==6= ,% O416224 6==63 L4.463496228 #8==6118 4= 24E63814,. E; O416224 #46>6 ,% 4=8 E6>*. T*2; WUXX 368:< 64%6:169 55,31*.41; ,% 18H4.> 1<6 :41; 2,=1 3681 4.94>.814,. 8>84.=1 O416224 828348 81 4=8 '!681<= ,% =*:B :6==4+6 2,36.14.6 ,))4==4,.63= O416224 <4) =62% 422 6:6==41; ,% G41<938G4.> 1<6 83) ; %3,) 1<6 6.+43,.= ,% 4=8 .>63 ,% 1<6 2,36.14.6= 3963= =6.1 1, 1<6 ,))4==4,.63= 81 1<6 :8) 5 1, 8336=1 O416224 6 4= :,.9*:169 1, 2,36.:6 6D8) 4.69 *.963 1,31*36 8.9 E6<68969

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44= V) 8H6= <4) =62%) 8=163 ,% 1<6 !*:<; ,% 428. ' <6 !*H6 *9,+4:, %246= 1, 63) 8.; ,24:; ,% 2,36.:6 9,*E1%*2 >366) 6.1 E61G66. 2,36.:6 8.9 38.:6 !4%%4:*21; ,% 384=4.>),.6; 4. 2,36.:6 6G),96 ,% 18D814,. <6 !J:4) 8 #:82818 (<6 428.6=6 4.+41J *9,+4:, 1, 8116) 51 1, 36>84. <4= 9*:<; 4= %43=1 16) 5,383; =*::6== ' 116) 51= 81 .6>,14814,. G4143 O6.4:6 G41< 2,36.:6 G41< 1<6 ,56 *9,+4:, 4= 8 =6:,.9 14) 6 96%68169 8.9 =6.1 534=,.63 4.1, 38.:6 36.:< 13,,5= 53,) 4=69 1, 849 2,36.:6 4. 36:,+634.> 4=8 36.:< 96B) 8.9= *14.,*= 8.9 =:8.982,*= :,.9*:1 ,% 1<6 36.:< 13,,5= E6%,36 4=8 <6 83) ; E3,H6. *5 22 <,56 ,% 18H4.> 4=8 81 8. 6.9 %,3 1<6 536=6.1 3,>36== ,% 65836 ,3>48 #*=54:4,.= ,% 1<6 36.:< H4.> 4. 2,36.:6 6=836 ,3>48 81 8) 54 8 %6G) 426= %3,) 2,36.:6 283) 8.9 =*=54:4,.= 4. 2,36.:6 ,3>48@= ,EI6:1= 8314822; =*::6==%*2 2,36.:6 :,) 6= 1, 8>366) 6.1 G41< <4)) E4116369 %6624.> 4. 2,36.:6 36.:< H4.>@= 94=5268=*36

G41< ,36.:6F' 6:,)) 8.9=<,G6+63 ,>48 1,),26=1 2,36.:6 .,%*31<63 #6:361 13681;E61G66. 38.:6 8.9 #584.%,3 1<6 58314F Z 14,., ,% 8526= ' 6G 94=8>366) 6.1= E61G66. 2,36.:6 8.9 38.:6 ,>48 8>84. 8:14+6 8>84.=1 1<6 65*E24: 8*=6= 3677,1, 36E62) E8==89,3= %3,) 8D4) 4248. 4. 2,36.:6 T682,*=; ,% 1<6 36.:< H4.> ,>48 8>84.:,)) 8.969 E; 38.:6 1,:68=6 %3,)) ,26=14.> 2,36.:6 8.9:,) 562269 1,36=1,36 3677, WWW >,+63.) 6.1 ,% 1<6 ,)),.G6821< 3>6.1.669 ,% 36%,3) 3E41383;) ,96 ,% 384=4.>),.6; 3,5,=82= %,3 36%,3) 36=*21 4. 1<6 855,4.1) 6.1 ,% 8 ,.%82,.4636 %,3 24%6 ' 8,2, #,9634.4 626:169 36=< %683= 36=56:14.> 6=836 ,3>48 ,) E4.814,. ,% <4= >6.6382= 8>84.=1 <4) ,) *3963= 1<6) 81 #4.4>8>248 ' 6 385492; =*E9*6= 1<6 :4146= ,% :6.1382 182; <6 ,3>48= :,*29 .,1 6D56:1 %*31<63 89+8.:6) 6.1 %3,) 38.:6 a*83362= E368H,*1 E61G66. 1<6 #58.4=< 8.9 36.:< 4. 8526= <6 ,56 96163B) 4.6= 1, E368H G41< 38.:6 8.9 8118:< <4) =62% 1, #584. 6 =6.9= =*55,31 1, 4=8 b%%47482 94 *8=1,(38.66 <8=) 4=B >4+4.>= 36=56:14.>1<6:,*3=6 1, E6 18H6. E;1<6 ,56 6G= ,% 1<6 ,56@= 9681<,. W 1< *>*=1 W 6I,4:4.> 81 1<4= 6+6.1 1<3,*><,*1 182; ' <6:43:*) =18.:6= ,% 1<6 ,56@= 9681<) E4B 14,*= 53,I6:1= ,% 6=836 ,3>48 22 ,+631<3,G. E;<4= %81<63@= 9681< 8.9 <4= ,G. 422.6== 6 2,=6= 822 <4= 9,) 4.4,.= 4= =6.1 1, #584. 8.9 =,,. 8%163G839= H42269 '!681<,% 4613, 96@ 694:4 YW

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6624.> 4. 2,36.:6 8E,*1 1<6 36:,+63; ,% 4=8 ' 28. ,% 94+6314.> 1<6 :,*3=6 ,% 1<6 3., 28. ,% 16) 514.> 1<6 4=8.= 1, 268+6 1<643 :41; 3:,26 6.14+,>24, 8.9 ,1<63 :85184.= 6.>8>69 ! 4%%636.1 ,54.4,.= 4. 1<6:41;,. 1<4= =*EI6:1 #*::6== *.963 6.14+,>24, 118:H ,. 4=8 <6 18248. =,29463= 36%*=6 1,) 83:< *5 1, 1<6 E368:< #,9634.4@= 8.=G63 1, 8) 6==8>6 %3,) ,.=82+4 3681 94=855,4.1) 6.1 68:6) 896 E61G66. 38.:6 8.9 #584. 1 4=F 8>3669 E61G66. 1<6=6),.83:<= 8.9 2,36.:6 1<81 4=8 =<822 361*3. 1, 2,36.:6 ! 4%%4:*21;G41< *::8 <6 822 94 46+,26 *::8 8118:H69 8H6= 568:6 G41< 2,36.:6 ,,9 4.13,9*:69 4.1, 4=8 E; 2,36.14.6:41476.= 68=*36= %,3:2,=4.>1<6 E2,:H896),36 =134:12; 4=8 81 28=1;4629= 2,36.14.6:,)) 4==4,.63= 6.163 1<6:41;,. 1<6 1< T*.6 W X 2248.:6 E61G66. ,56 8.9 4.> 26:14,. ,% 4.= 8= ,56 #*::66969 E; T*24*= 4= :2 838:163 3,*.9= ,% 82248.:6 E61G66. <4) 8.9 ,*4= 8>84.=1 1<6 O6.6148.= 3681 96%681 ,% 1<6 81163 34.74+8226 96228 #1*%8= :,.=5438:; 4. %8+,*3 ,% 1<6 694:4 #*996. :<8.>6 ,% 5,24:; ,. 1<6 5831 ,% 1<6 ,56 68>*6= G41< O6.4:6 8.9 1<6 #58.4839= 8>84.=1 38.:6 2,36.:6 81 8 2,== <,G 1,c8:1 <6 8394.82 4,+8..4 96@ 694:4 36.:< =*::6==6= .683 ,2,>.8

3,I6:1 ,% 8 =:<4=)814: ,*.:42 ,56.69 81 4=8 2,36.:6 528:69 *.963 4.16394:1 E;1<6 ,56 T*24*=96163)4.69 ,.36=1,3B 4.>1<6 694:4 <6 4.16394:1 36),+69 *31<63 36.:<=*::6==6= 3681 E81126 ,% 8+6..8 !681< ,% 8=1,.96 ,4D T*24*=G422 .,1<683 ,%568:6 <6 36.:<934+6.%3,) 182; !6)8.9=)896 ,. 2,36.:6 63 8.=G63 .+8=4,. ,% *=:8.; E;1<6 #58.4=< +4:63,;8.91<6 694:4 #8:H ,% 381, #,9634.4 268+6= 2,36.:6 <6 694:4 6.163 4 1 Y

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,

<6 361*3. ,%1<6 694:4 ,33*51 :,.9414,. ,%1<6 536+4,*= >,+63.B)6.1 8.9 ,%=,:461;>6.63822; 55,4.1)6.1 ,%.6G)8>4=13816= 36)81*36 361*3.1,1<6 :41; ,% 4*248.,8.9 ,36.7,96@ 694:4 42455, #13,774 81 381, 4=)83348>6 G41< 2834:6 96@ 694:4 <6 8394.82 96@ 694:4 8.9 <4=:,*=4.4*24, :,)6 1, 2,36.:6 ,.1<6 WU1<'',% #6516)E63 W W 389*822;)8H6 1<6)=62+6=)8=163= ,%1<6 :41; '' 842*36 ,%1<6 2,36.14.6=1,'*.963=18.9 1<6 534.:4526= ,% 24E631; 583248)6.1 :82269 ' 6G8338.>6)6.1= 42455, #13,774@= 53*96.:6 !681< ,% T*24*= 26:14,. ,%1<6 8394.82 96@ 694:4 1,1<6 858:;)E8==89,3 %3,)1<6)563,3 4. 2,36.:6 6=14+4146= 4.1<6 F:41; !4=:,.16.1 34%6 4. 2,36.:6 .,1G41<=18.94.> ,.=5438:;8>84.=11<6 694:4 ,% >,=14.,' 855,.4 8.9 4613, 8,2, ,=:,24 ::,*.1 ,%1<643 28=1 .4><1 4. 534=,.FE;*:8 96228 ,EE48 <6,2,>;81 #1 83H@= 83.4+82 H6654.> 3E41383;18D814,. 8.9 .6G)61<,9 ,% 26+;4.>1<6 18D6= 3 6I,4:4.>81 2,36.:6 ,.1<6 626:14,. ,% 6, V '6=*21= ,%1<81 626:14,. ,. 2,36.14.6 24E631; 36814,. ,% 8394.82= E;6, ,36.7, ,=16.=4E2;81 1<6 <689 ,%1<6 >,+63.)6.1 682 5,G63 4.1<6 <8.9= ,%1<6 8394.82 4*24, 68>*6 G41<1<6)563,3 8.9 !*H6 ,% 428.8>84.=1 38.:6 8.9 O6.4:6 ,36.7, 855,4.169 >6.6382F4.F6<4'T 38.:4= ,.1<6 1<3,.6 ,% 38.:6 ' ,24:;,%1<6 ,56 4=.6>,14814,.= G41< 38.:4= <6 36.:< ,E184.5,==6==4,. ,% 428. >366)6.1 E61G66.1<6 ,56 8.9 1<6 36.:<H4.> #;)581<;E61G66. 6, V 8.9 38.:4= .163B +46G E61G66.1<6)81 ,2,>.8 62,.;,%1<6 !*H6 ,% 3E4., ,G1*3.69 1,8::,*.1 E; 6, <6 ,56@= 361*3.1, ,)6 4=

=18;' 81' 2,36.:6 <8326=' O ' =*::669=' 1,' 1<6' 1<3,.6' ,%' 8526=' 694:68.' 53,=56:1= ' ,36.7,' E6:,)6=' ! *H6' ,%' 3E4., 36814,.' ,%') ,36' 2,36.14.6' 8394.82= ! 681<' ,%' 4*248.,' 96@ 694:4 4=' =,.' 55,241, 36.:<') 8.98>6' ,%' 1<6' ! *H6' ,%' 3E4., 4=' E89' =1816' ,%' <6821< 4=' 9681< ! 681<' ,%' <4=' G%6 8' %6G' 98;=' 536+4,*=2; 4=' 98*><163' ' 6) E63=' ,%' 1<6' %8) 42;' ,%' 694:4' 36) 84.4.>' 8%163' 1<6' 9681<' ,%' ,36.7,' ' X

+' '

694:68.' 53,=56:1=' 8<' 1<6' 9681<' ,%' ,36.7, <6' 8394.82' 4824,' +4=41=' 2,36.:6 <6' 9681<FE69' ,%' ,36.7, <6' 8394.82' 8%163' ,36.7,@=' 9681< <838:163' ,%' 4*24,^ ,%' 6,' V ^ ,%' ,36.7, ' ,.9*:1' ,%1<6' 8394.82' 8%163' ,36.7,@=' 9681< 8394@=' ,54.4,.' ,%' 41 8E,*3' 4) 5,=69' ,.' 1<6' 8394.82 E=6.:6' ,%' 822' 3682' 24E631;' 4.' 2,36.:6 #42+4,' 8==634.4' 8394.82' ,%' ,31,.8' 855,4.169' 1<6' 8394.82' 96@ 694:4@=' 46*16.8.1' 4.' 2,36.:6 <838:163' ,%' <4=' >,+63.) 6.1 ! *:<;',%' 3E4., 3,*E26=' 834=4.>' %3,) ' 1<6' 94=5,=B =6==4,.' ,%' 1<6' 2816' ! *H6 <8.>6' 4.' 1<6' 8582' 5,24:; 368:<' G41<' 38.:6 ! 4%%4:*21' 5,=414,.' ,%' 1<6' ,.14%% ' 68>*6' E61G66.' 1<6' ,56' 8.9' <8326=' O 83' G41<' 38.:6' 4.' ,) E839; ' T682,*=46=' E61G66.' 1<6' 6.6382=' ,%' 1<6') 563482' 8.9' 8582' %,3:6=' #*::6==' ,%' 1<6') 563482' 83) =' 8>84.=1' 38.:6 ! 681<' ,%' 6,' V ' 8*=6' ,%41 36=<' 13,*E26=' G41<' 1<6' ! *H6' ,%' 3E4., 26:14,.' ,%' 9348.' ' 1,' 1<6' 858:; 4=' :<838:163^ 8.9' %842*36 ' 3,*E26=' ,%' 1<6' 4.16336>.*) 2,36.14.6=' =899269' G41<' 6D56.=6=' 834=4.>' <6.:6 9348.' 368:<6=' ,) 6 .134>*6=' E61G66.' 8394.82' #,9634.4' ,%' O,216338' 8.9' 1<6' 36.:<' H4.> 36.:<' %,3:6=' *.963' 226*7,' 98' 644' 6%%6:1*822;' ,55,=69' E;' 1<6' 2,36.14.6' %,3:6=' *.963' ,.16' 8.>,.4 4,+8..4' 96226' 8.96' 636' ,%%6.969' I,4.=' 1<6' 36.:< 2,36.:6' 18D69' 4.' ,3963' Z19' 26.9') ,.6;' 1,' 1<6' ! *H6' ,% 428. 2,36.14.6=' 2,+6' 6A*8241;' 381<63' 1<8.' 24E631;^ G<6.:6' 94=B 5,=69' 1,' =*E) 41' 1,' 1<6' 694:68.' 8=:6.98.:; .4583148' 96=5,14=) ' ,%' 1<6' 8394.82' 4.24, ! 4=:,+63;' ,%' 1<6' *:62284' 8396.' :,.B =54381,3= =:856' ,%=,) 6' ,%1<6' :,.=54381,3= D6:*14,.' ,%',1<63=' #*::6==' ,%1<6' :,.=5438:;' G,*29' <8+6' E66.' 98.>63,*=' 1,' 2,36.:6

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8*=6=' ,%' 1<6' 13,*E26=' 1<81' 96+8=18169' 182; 36=<' 36.:<' 83) ;' :3,==6=' 1<6' 25=' 4.' W[18248.' 268>*6' 8>84.=1' 1<6) 6=1426.:6' 4.' 2,36.:6 ! 681<' ,% ,56' 9348. 26:14,.' ,%' 1<6' 8394.82' 96@ 694:4' 8=' 26) 6.1' 4=' :858:41;' %,3' 1<6' ,%%4:6 3,=56:1=' ,%' 1<6' 858:; ,=414,.' ,%' 182;' 94=5*169' ,+63' E;' <8326=' O ' 8.9' 38.:4=' ,24:;' ,%' 18248.' 3*263= 26) 6.1' 6.163=' 4.1,' 8' 268>*6

G41<' 38. : 4= 368H=' 41 ' 8. 9' 361*3. =' 1,' 82248. : 6' G41<' 248326= ' , . =5436=' 8>84. =1' <8326= ' 8. 9' 8116) 51=' 1,' =*E, 3. ' 1<6' 83A*4=' ,%' 6=: 838 26) 6. 1' 361*3. =' 8>84. ' 1,' 82248. : 6' G41<' 38. : 4= ' E=, 2+6=' 38. : 4=' %3,) ' <4=' , 81<' 1,' <8326=' O 18248. ' 268>*6' 8>84. =1' <8326=' , 56=' ,%' 1<6' 18248. = 26) 6. 1' =6. 9=' 1<6' 694: 6' . ' ; , *. >') 6. ' 1,' 2, 36. : 6 ! 461' ,%' #5436= .) 41; ' ,%' <8326=' 1, G839=' 26) 6. 1 <6' 4: 63, ;' ,%' 8526=' 8. 9' 1<6' , 2, . . 8=') 83: <' 8>84. =1' 1<6' , 56 #8: H' 1<6' O 814: 8. 26) 6. 1' 4. ' 1<6' 8=126' ,%' #1 ' . >62, 8H6=' 8' 13681; ' G41<' 1<6' 4: 63, ; 4+6=' *5' #13, 774' 8=' 8' <, =18>6' %, 3' 1<6' 563%, 3) 8. : 6' ,%' 41 6. 6382' <81369' 8>84. =1' 26) 6. 1 6' E368H=' <4=' 13681; ' G41<' 1<6' 4: 63, ; 8=B =8: 36' ,%' 1<6' , 2, . . 8= ! 8. >63' ,%' 42455, ' #13, 774 4=' =: <6) 6' %, 3' 6=: 854. > ! 4=: , . 16. 1' 81' 2, 36. : 6 . 6%%4: 46. . ; ' ,%' 1<9' 8394. 82' ,%' , 31, . 8 ' %36=<' 13681; ' E61G66. ' 1<6' , 56' 8. 9' 1<6' 4: 63, ; ' =8+6=' #13, 774 ! , *E1%*2' <, G' %83' 1<6') 563, 3' 8: : 65169' 1<6' 13681; ') 896' E; ' 1<6' 4: 63, ; <6 ') 563, 3' =6. 9=' , *3E, . ' 8. 9' 3**9=E*3>' 8>84. =1' ,) 6 . 94=: 4524. 69') 83: <' ,%' 1<643' 83) ; <6' , . =18E26' , *3B E, . 4=' =, : 482' 5, =414, . F' ! 6%6. , 626==' : , . 9414, . ' ,%' ,) 6 %%, 31=' ,%' 1<6' 4: 63, ; ' 1,' 8+631' 1<6 '98. >63=' %3,) ' ,) 6 4=' 422F=*: : 6==' 334+82' ,%' 1<6' , . =18E26@=' 83) ; ' E6%, 36' ,) 6 #8: H' ,%' 1<6' : 41; ' U

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%%6: 1' , . ' *3, 56' ,%' 1<6' =8: H' ,%' ,) 6 6624. >' , . ' 1<6' =*EI6: 1' 81' 2, 36. : 6 <6' . 6G=' =2, G' 1,' 368: <' 2, 36. : 6 ! 4=1*3E8. : 6=' 81' 2, 36. : 6 K*62269' E; ' 1<6' 13, , 5=' 4. ' 1<6' +4: 4. 41; 83: <4@=' 8: : , *. 1' ,%' 1<6' =1816' ,%' 2, 36. : 6 334+82' ,%' 42455, ' #13, 774' 81' 4=8 ' 4=' : 82: *2814, . =' 8. 9' : , . 9*: 1 #6. 9=' <4=' G4%6' 1,' 2, 36. : 6 63' : , . 9*: 1' , . ' 368: <4. >' 1<6' : 41; ' ' , =414, . ' ,%' 1<6' ' 1%4) 814' (') E6: 4241; ' ,%' 1<6' 8394. 82' : %' , 31, . 8 3C' 962' 4: : 894>24, ' 2834: 6' #13, 774' 81' 1<6' 694: 4' 5828: 6 63' 89936==' 1, ' 1<6' 8394. 82' ,%' , 31, . 8 #<6' =6. 9=' 1,' <63' <*=E8. 9' 1,' : ,) 6' 1,' 2, 36. : 6 #6. 9=' <63' : <42936. ' , *1' ,%' 1<6' : 41; #13, 774' : ,) 6=' 1,' 2, 36. : 6 4=' : 8*B 14, . 6' >, 6=' 1,' 1<6' 8394. 82' 81' 1<6' 694: 4' 5828: 6 4=' 9, *E26' 96824. > ; 5, : 34=; ' 36=56: 14. >' <4=' G4%6@=' : , . 9*: 1 6' >, 6=' 1,' 1<6' =4114. >' ,%' 1<6' 3681' , *. : 42 61*3. =' 1,' 1<6' 694: 4 , *. =62=' 1<6) ' 1, ' *, &' , ' 1<6' : 41; <643' 4. 96: 4=4, . #13, 774' =6. 9=' 2834: 6' 1,' 1<6) ' 8' =6: , . 9' 14) 6 63' 89936==' 1, ' 1<6' 8394. 82' 8. 9' 1<6' ; , *. >' 534. : 6= <6; ' 96: 496' , . ' A*4114. >' 1<6' : 41; <643' 965831*36' U

,

#13, 774' 81' 4=1, 48 6' 8: : ,) 58. 46=' 1<6' ; , *. >' 534. : 6=' 1,' ! *: : 8 ! 4%%4B : *21; ' 8E, *1' 1<6' %, 3136==6=' ,%' 4=8' 8. 9' 6><, 3. 55, 241, ' , *1G41=' #13, 774 6' 4=' 422' 2, , H69' , . ' 81' <4=' 361*3. ' 1,' 2, 36. : 6 , . 9*: 1' , %' 2834: 6' #13, 774' 81' 2, 36. : 6 4: : , 2e' 855, . 4' =*=56: 169' E; ' 1<6

56,526 #13,774@= 361436) 6.1 1, ; , .= ,5*283 %6624.> 1,G839= 1<6 114) 814(4=18H6 E61G66. 24E631; 8.9 6A*8241; ,=414,. ,% 2,36.:6 G41< 36>839 1, 1<6 5,G63= ,% *3,56 ,24:; 53,5,=69 E; 855,.4 <838:163 8.9 :,.9*:1 ,% 1<6 18248. 83) ; ,% 1<6 68>*6 .9 ,% 38.:6=:, 8348 96228 ,+636 ,24:; 89+,:8169 E; 855,.4 36I6:169 ,5626== 5,=414,. ,% 2,36.:6 2,36.14.6 >,+63.) 6.1 :<838:1634=69 E; O83:<4 ; 8) E4 ,.9*:1 ,% O6.4:6 ! 426)) 8 4. G<4:< 2,36.:6 G8= 528:69 6=1426.:6 4. 2,36.:6 4. W Y 22 8::,*.1= G41< 1<6 >,+63.) 6.1 =4.:6 W W 1, E6 36+4=69 %46:1 ,% 1<4= 96:366 ! 8.>63 %3,) ,*3E,.@= 83) ' ! 6=13*:14,. ,% 1<6 :41; ,% 83.4 .:368=4.> +43*26.:6 ,% 1<6 56=1426.:6) 53*.618 O43>4. ' 8) 4.6 4. 2,36.:6 =:856 ,% 1<6 ,56 %3,) #1 .>62, >366) 6.1 E61G66. <4) 8.9 1<6) 563,3 <6 ,56 368:<6= 3+461, #41*814,. ,% 1<81 :41; :,*.1 ,% 1<6 ,56@= =,I,*3. 81 3+461, E; .>24=< 8) E8==8B 9,3= 26) 6.1@= 53,%6==4,.= G<4H 81 3+461, 8:14,.= 4* 2,36.:6 48>.,.4(#54341*82 1;38..; .,1 1,2638169 114) 814(6.6G82 ,% 1<6 56=1426.:6 <838:163 ,% 855,.4 4= 53,5,=82 1,) 8H6 T6=*= <34=1 L4.> ,% 2,36.:6`` <6 53,5,=414,A 8::65169 8.9 5*1 4. 6D6:*14,.

,

22.6== ,% 26) 6.1 O 4= 261163 1, <8326= O 4= 36:,+63;^ 8.9 36:,.:424814,. G41< 1<6) 563,3 2,36.14.6 <,56= ,% 36.:< 849 ,336=5,.96.:6 E61G66. 4::,2, 855,.4 8.9 T8:,5, #82+4814 855,.4 965,=69 %3,) 1<6 ,.%82,.4636=<45 26:14,. ,% 38.B :6=:, 839*::4 1, 1<81 ,%%4:6 #4>.= ,% 1<6 8553,8:<4.>9,G.%822 ,% 2,36.14.6 24E631; ,=414,. ,% 1<6 858:;F^F 6G 268>*6 E61G66. 1<6 ,56 8.9 4<6) 563,3 3681; ,% 8) E384 6.638 268>*6 ,% 96=5,1= 8>84.=1 24E631; ! 4+4=4,.= ,% 583146= 4. 2,36.:6 2,36.:6 =6.9= 8. 6) E8==; ' <8326= O 3*4126==.6== ,% 1<81 =165 61*3. ,% 1<6 8) E8==89,3= ' !681< ,% 855,.4 81 8=162.*,+,F' 4=) 6614.> 81 1<81 1,G. G41< 4:<862 .>62,) 52,;) 6.1 ,% 1<6 281163 ,. 1<6 %,314%4:814,.= ,% 2,36.:6 4= 13*6 58134,14=) 81= E6>4. 1, 3*. %3,) 1<6 %8224.> <,*=6 424E631, 34.:6 ,% 38.>6 >6.638 %,3 1<6) 563,3 8>84.=1 2,36.:6 ; 1<6 ,56@= 96=436 <6 ,E184.= 63*>48 %3,) 82816=18 8>24,.4 E; .6>,14814,. 8>24,.4 :<,=6. 1, E6 >6.638 ,% 1<6 2,36.14.6 %,3:6= .%8) ,*=:,.9*:1 ,% 1<6 ! *H6 ,% 633838 <6) 53*.618 O43>4. E3,*><1 1, 2,36.:6 68=*36= %,3 384=4.>),.6; %,3 +4:1*8224.> 1<6 :41; %,3 36=1384.4.> 94=8%%6:169 53,B +4.:482 :4146= ,839 ,% 94:181,3= 855,4.169 4=:<46%= 834=4.> %3,) 1<81 53,+4=4,. 5524:814,.= %,3 8==4=18.:6 1, O6.4:6 ,56 26) 6.1@= 3652;1,8.6.+,;=6.1 1, <4) %3,) 2,36.:6 ! 4%%4:*21; ,%:,)) *.4:814,. E61G66. 2,36.:6 8.9 O6.4:6 ' !4=8%%6:14,. G41<4.

1<6 :41; ' 336=1 ,%94=8%%6:169 :41476.= D6:*14,. ,% ,.6 ,%1<6)
06.6148. 8) E8==89,3=@ 8::,*.1 ,%1<6 %43) .6= ,%1<6 2,36.B
14.6= ,)) 6.:6) 6.1 ,%1<6 =46>6 ,% 2,36.:6 - .

, 314%4:814,. ,%#1 4.481, ,.=18.:; ,%1<6 2,36.14.6= #) 822 =*:B
:6==6= ,%1<6 :41476.= <,5626==.6== ,%1<6 :,.16=1 !6%6:14,. ,%
=*EI6:1 1,G.= #,3146= ,%1<6 E6=46>69 13,,5= 2,36.14.6= =1422
<,56%*2 ?^ T3>6.1 85524:814,. %,3 849 1, 06.4:6 !4=8556838.:6 ,%
422*=4,.= ,. 1<4= 5,4.1 64.%,3:6) 6.1 ,%1<6 E6=46>4.> 83) ;
' 3,>36== ,%1<6) 5634824=1 13,,5= 4. ,::*5;4.> 1<6 163341,3;
,%1<6 65*E24: !4%%4:*2146= ,%1<6 06.6148. 8) E8==89,3 81 2,B
36.:6 8394.82 ,% 86.78 =6.1 E;1<6 ,56 1, 2,36.:6 4=
.6>,14814,.= G41< 82816=18 ,14+6= ,% 82816=18 <6 :41;
96:496= ,. =6.94.> 6.+,;= 1, 1<6) 563,3 8.9 ,56 81 ,2,>.8
<643 36:6514,. 81 ,2,>.8 <643 %842*36 8.9 361*3. 1, 2,36.:6
<6) 563,3 8.9 1<6 ,56 81 ,2,>.8 ,3,.814,. ,%1<6
%,3) 63 61163 %3,) 1<6 8) E8==89,3= ,% 6.3; O 96=:34E4.>
1<6 :,.9414,. ,% 182; 82816=18 8>24,.4 855,4.169 2,36.14.6
6.6382F4.F:<46% #,26). ,81<18H6. E; 822 1<6 2,36.14.6 268963=
#*::6==6= ,%1<6 2,36.14.6= 4. =,3146= %3,) 1<6 G822= .B
6%%6:1*82 1, 8.; 3682 >,,9 ,,9 ,3963) 84.184.69 4. 1<6 :41;
,.6; 8E*.98.1 4. 1<6 :41; .>3*9>4.>2; :,.134E*169 E; 1<6
:41476.= ' ,.6 822,G69 1, A*41 1<6 :41; #:83:41; ,%%,,9 E6>4.=
1, E6 =6+6362; %621 .:368=4.>) ,318241; 4. 1<6 :41; 83.4+82
>8) 6= 4. 2,36.:6 ,56 ,% <625 %3,) 38.:6 .,1 ;61 8E8.9,.69
,56 1<81 8 96=:6.1 % 1<6 38.9 *3H) 4><1 :8*=6 8 94+63B
=4,. #*%%634.>= 4. 1<6 :8) 5 ,%1<6 E6=46>63= 81126 ,% :<8) 54,.=
,%1<6 1G, 583146= *.963 1<6 G822= ,% 2,36.:6 3*4126== =*:B
:6==6= ,%1<6 2,36.14.6= 4. =H43) 4=<6= 83,*.9 1<6 G822= 3,>36==
,% %8) 4.6 ' 1 G8= E6:,) 4.> 6+496.1 1<81 1<6 :41; G,*29 =*::*) E
1, 1<4= % , 6 W

<366 5,==4E424146= =1422 ,56. 1, 1<6 2,36.14.6= 43=1 8. 8118:H ,. 1<6
:,8=1= ,% 182; E; 1<6 *3H <4= <,56 A*4:H2; %896= #6:,.9 8
=,3146 4. %,3:6 G<4:<= <,*29 96=13,; 1<6 E6=46>4.> 83); .13*=1B
G,31<4.6== ,%1<6 2,36.14.6 >6.6382= =,3146 4. %,3:6 96:4969
,.) 4:, 98 06.8%3, H42269 E; 1<6 6.6382 #16%8., ,2,..8F
<f =,3146 4.6%%6:1*82 1, 8.; >,,9 5*35,=6 !4%%636.:6 ,% ,54.4,
8),.> 1<6 :41476.= .9,*E169 16=14),.; 1, 1<6 1368=,. ,% 828B
16=18 8>24,.4 <439 8.9 28=1 =,*3:6 ,% <,56 %,3 1<6 2,36.14.6=
4. 1<6 ,563814,.= ,% 1<643 83) ; ,*1=496 1<6 :41; 38.:6=:, 63B
3*::4, 0,216338 36:,+6369 E; <4) 28. ,% ,563814,.= 96+4=69 E;

633*::4, <6 #4>.,3;,3963<4)1,8:1,1<63G4=6 D6:*14,.,%
13841,3=G41<4.1<6:41; .16.14,.,%1*3.4.>1<6 :,.1894.4(
,*1,%1<6:41; <6>,+63.)6.1 3626.1=8.9 8E8.9,.=1<6 4968
3,>36==,%48)4.6 4.1<6:41; .:368=6,%),318241;%3,)56=14B
26.:6 !6163)4.814,.,%1246:41476.=1,%4><1 8 28=1 E81126 8.9 4%
+8.A*4=<69 1,96=13,;1<6 G,)6.8.9 1<6:41; <6 34.:6,%
38.>6)83:<6=1,)661 633*::4, <8+4.>E66.8==*369 E; 828
@16=18 1<81 .,8118:H =<,*29 E6)896 ,.1<6 E6=46>4.>%,3:6 4.<4=
8E=6.:6 633*::4,96184.69 81 4=8 E;422.6== <6 2,36.14.6=
536+6.169 %3,)8118:H4.>1<6 E6=46>4.>83);E;1<643 >6.6382=
#16%='," ,2,..8 8 13841,3 1,1<6 2,36.14.6 :8*=6 !8.>63 ,% 8
=13*>>26 G41<4.1<6 G822= !4=8%46:169 8),.>1<6 :41476.= 3,B
E8E26 .*)E63 ,% 1<6=6 33,.6,*=1494.>= ,% 1<6 36=*21 ,% 1<6
E81126 E61G66.633*::4,8.9 1<6 34.:6 ,% 38.>6 368:< 2,36.:6
#,3146 ,%1<6 2,36.14.6==,)8.8>69 E;1<6 2,36.14.6 >6.6382=
8=1,2689 1,.,1<4.> ,336:1 .6G= ,% 1<6 E81126 ,% 8+4.8.8
368:< 2,36.:6 8182 36=*21= ,% 1<4=96%681 <6 #4>.,3;:,.=6.1
1,=6.9 6.+,;=1,1<6)5634824=1 6.6382 8>24,.4 1<3,G= ,%%
1<6)8=H !8.>63 ,% 8:,.16=1 4.1<6:41; 8>24,.4:,)526162;
)8=163 ,%1<6 =41*814,. '<6 #4>.,3;8E8.9,.822 <,56 ,% %*31<63
36=4=18.:6 !8.>63 ,%1<6:41;%3,)1<6 =,29463; 36=63+69 %3,)
41 E;1<6 8:14+6 +4>428.:6 ,% 8>24,.4 4=),14+6 314:26= ,%
:8541*2814,. .E2*=<4.>+4,2814,.,%1<6)E;1<6 ,56 8.9 E;
1<6)563,3 ,.:2*=4,.

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1 2)43$ 9,*4$ 45&4$ 89$ 45,6$;8;$ (4$ 4),&4$ 45,$ &)48343$ &A 24$ 45, :$ IJK
?,(,) 23*6$ 45,6$.7 2*;$A,J ;,3,)4,;$A6$ 45 3,$1 2)4*6$)(&< WUX
:,(43$ 8($ 9&' 2)$ 9$ &$=&4) ($ 75 $ 7&3$ 32),$ 4 $),1,8',$ 45, :$
7845$ =,($ &) :3$ 523$ 45,$ 9,,*8(?$ 9$),?),4$ 9)$),(> $
:&6$A,$ 3&8;$ 4 $ 5&',$A,,($?,(,)&*$ &(;$ 75,($ 45,$ (,73$ 45&4$
F 5,$ &?(8981,(4 G L $ &?(8981 $ &3$ 5,$ 7 &3$ 94,($ 1&**,;$
7845 24$ 45,)$ &;H2(14 L 7&3$;,&; $),&15,;$ *),(1,$ &$
',)6$ =&*=&A*,$?* :$ 7&3$ 1&34$ ',)$ 45,$ 1846$ 75815$ 1 2*;$
1,)4&8(*6$A,44,)$ 5&',$ 3=&),;$ &$A,44,)$:&(
),(> $ *,94$ 45),,$ 3 (3M 8,) $ 583$ 3211,33)$ 8($ 45,$
(7$ 31&)1,*6$;83?283,;$ =)8(18=&*846$ A)($ 8($ -N $ (7$
45,),9),$ 47,(46. (,$ 6,&)3$ 9$ &?,$M B8 '&((8$ A)($ 8($
N-$ 75 $ 5&;$ &4$ 38O4,,($ 6,&)3$ 9$ &?,$),1,8',;$ 9) :$ =,$
((1,(4$ 583 3834,)$ &;;&*,(&P3$ 9&45,).8(.*&7$ 45,$ 5&4$
9$ &$ &);8(&*$ &$ 9,7$: (453$ (*6$A,9),$),(> P3$;,&45 $
&(;$ 75 $ &94,)7&);3$A,1&: ,$ =,$,$ % M &(;$ *&34*6$
B82*8&($ @(7($ 32A3,D2,(4*6$ 53$ 45,$ 2@,$ 9$,: 2)3$
75 $A)($ 8($ -N $ 7&3$ (*6$ 47,*',$ 6,&)3$ *;$ &4$ 45,$ 48: ,$
9$ 583$ 9&45,)P3$;,&45
*),(1,$?)8,',;$ 9)$ 45,$ =)8(1,$ 75 $ 5&;$ &4$ *,&34$:&;,$
*89,$ 8($ *),(1,$ ',)6$ =*,&3&(4$ 9)$ &**$ 45 3,$ 75 $ 7,),$ 1 (<
4,(4,;$ 4 $,&4$;)8(@$ &(;$ A,$:,))6$ 8($ =,&1,$ &(;$=*,(46$
2(;,)$ &$,;81 &($ &A3 *24,$3 ',),8?($ 24$ 5,)$?)8,9$ 7&3$
(4$ 3215$ &3$ 4 $ =),',(4$ 5,)$ 9) :$ 52))68(?$ 8(4)2,$: (&)1581$
9&358 ($ 4 $ =&6$ 5,)$ 1 2)4$ 4 $ 45,$;,1,&3,;$: (&)15P3$ 321<
1,33)$ 5,$,;818$ 83 ;,&;$ Q (?$*8',$ 45,$$,;818Q 4$
5&;$ 1 :,$ 4 $ 45&4$ 8(*),(1,$ (;$ &**$ 4R),$ 7,**.&99,14,;$
7)*;$ 5&34,(,;$ 4 $ 99,)$ 843$ 1 (?)&42*&48 (3$ 4 $ 45,$ 6 24592*
8,) $ 75 $ 7&3$ 1&**,;$ &4$ 45,$ 3&: ,$ &?,$ 45&4$ 583$ 9&45,)$ 5&;$
),&15,;$ 75,($ 5,$A,?&($ 4 $? ',)($ 45,$,=2A*81$ 4 $ 3 $?),&4$
&(;$A)8**8&(4$ &$ 3211,338 (
24$ 8,4) $ 7&3$ &$ ',)6$;899,),(4$:&($ 8($ &*: 34$ &**$
),3=,143$ 9) :$ 583$ 9&45,)M 45&4$ 83$ 4 $ 3&6$ 5,$ 7&3$,(48),*6$
;,9818,(4$ 8($ &**$ 45 3,$ =,)3 (&*$ &(;$ 32=,)9818&*?)&1,3$ &(;$
A)8**8&(4$ D2&*848,3$ 75815$ 5&;$;&>>*,;$ 45 3,$ 75 $ 1&:,$ 8(4

WUX

1 (4&14 7845 *8),(> J & : (4 &7&), 45&4 5, 5&; &(6 '&*2&A*, ?894) : ,)84 9 &(6 3)4 T 9 &** 45 3, 75815 7 ,), 7&(48(? 4 583 9&45,) 4 1 : =,(3&4, 9) 45, &A3,(1, 9 &** 45&4 7&3 &44)&148', 3&', 34) (? 5,&*45 75815),(> 5&; (,',) ,(H 6,; &(; 45 3, 5&A843 9 A ;8*6 &148'846 75815),32*4,; 9) : 84 ,'5&; 8(;,,; &=*,&38(? ' 81, &(; ?)&1,92*;,*8',)6 75815),(> 5&; (4 M A24 45, D2&*848,3 9 583 : 8(; 7,), 3215 &3 4),(;,) 4583 &; '&(< 4&?, 9 ('&*2, , 5&; 8(5,)84,; 9) : 583 : 45,) *&)81, & 45, 9,2;&** =)8;, 9 &( )38(8),(> 7845 &** 583 ;,4,) : 8(&48 (4)2*, 4 =*&1, 58 : 3,*9 &A ', 45, *&7 &(; 4 A, 32=,)8) 4 583 9,** 7.1848>,(3 5&; 6,4 A,,(,33,(48&**6 75&4 45, *),(48(,3 1&** F 18'8* G 5, 7); TA,8(? 8(45,8) : 2453 (,&),) 4 843 ,46 : * ?81&*) 4 5&; & 34) (?,) &(; :), 32??,348', : ,&(8(? &3 78** A,),&;8*6 &==),5,(;,; 45&(84 A,&)3 &4 45, =),3,(4 ;&6 4 8(1*2;,; 8(84 : 215 9 45, 3,(3, 75815 7, &44&15 4 45, 7); F 18'81 G 5, ' 75815),(;,),;),(> =,)3 (&**6 = =2*&) 8(*),(1, 7&3 (4 (*6 2)A&(846 A24 3215 2)A&(846 &3 ;,1,(4*6 : &8(4&8(,; 45, 98148 (45&4 45 3, 7845 75 : 5, 1 (',)3,; 7,), 583 ,D2&*3 5, =5)&3, 8 : =*8,; 4 45, *),(48(, : 8(; &** 45, ;899,),(1, A,47,,(45, : &((,)3 75815 : 8?54 A, ,O=,14,; 4 A, 98448(? 9) &1848>,(3=,&@8(? 4 583 9,** 7.1848>,(3 &(; 45 3, 75815 : 8?54 A, 32== 3,; 4 15&)&14,)8>, & : 8*84&)6 &(; 9,2;&** 158,94&8(&;;),338(? 583 '&33&*3 7 8,)U 7&3 (4 F 18'8* G 8(583 : &((,)3 7845 45, *),(48(,3 8, 7&3) 2?5 A)23D2, &(; 5&2?546 &=4 4 ?8', 7&6 4 A2)343 9 =&338 (&(; 2(;,) 45, 8(9*2,(1, 9)&?, 4 ; &(; 3&6 458(?3 75815 4 45, , : 8(,(4*6 ?,(4*, &(; 1 2)4, 23 *),(48(,3 7,), 9&) :), 8(4 *,)&A*, 45&('8 *&48 (3 9 45, 1 (3484248 (&* *&7 &(; 75815 ',)6 35)4*6 8(H2),; 583 = =2*&)846 &(; A) 2?54 :), ;82 : 2= (58 : 45&(45, 7)34 46)&((6 9 583 9&45,) 5&; 8(12)),; J 4 83 12)8 23 4 A3,)', 45,

J &);8 34)8, ;,**& 844V ;8 8),(>, ;8 E&1 = &);8 # ' *& '

4,) : 3' 8(' 7*881*8' 4583' =&)4' 9' 8,4) P3' 15&)&14,)' 83' &**2 ; , ;' 4 ' A6' B28118&) ; 8(8' 8(' 45,' ' ;8&* ?2,' 75815' 5&3' A, , (' D2 4, ;' 8(' 45,' 9),? 8(?' 15&=4,)' 5,' 7) ; 3' &),' =24' 8(4 ' 45,' : 245' 9' 8,) ' &== (8'), (> '5,' 5&3' A, , (' 3&68(?3' 7&3' &'46)&(4 ' A24' &4' *, &34' &' =)2 ; , (4' &(;' =*, &3&(4. : &((,), ;' 46)&(4 ' FC 24' 75&4' 1 2*;' A,' ,0=, 14, ;' 9) : ' 8,) ' 75 ' A, 38 ; , 3' A, 8(?' &3' ; , 9818, (4' 82' =)2 ; , (1, ' &3' 7,' &**' @(7 ' ;8 ;' (4' = 33, 33' 45,' ? ; (, 33' 9' (&428P,' &(;' 37, , 4(, 33' 9' 4, : =,)& : , (4' J' 75815' : &)@, ;' 583' 9&45,)' &(;' 583' ?)&(;9&45,) ' &(;' 75815' 83' ?, (, <)&**6' 1 : : (' & : (?' 2)' =, =*, ')' 7&3' 84' 4 ' A,' 7 (< ; ,), ;' &4' 45&4' 84' 35 2*;' A,' 3 ' 8(&3 : 215' &3' 5&'8(?' A, , (' A)(' 9' &' 9),8?(' : 45,) 9' 45,' *), (48(,' A* ;' 7&3' A&3< 4&) ; 8>, ;' 8(' 58 : ' &(;' 5&;' ;, ?, (,)&4, ;' 4 ' 9),8?(' : &((,)3 ' &(;' &' 346*,' 4 ' 5&2?546' &(;' 8(3 *, (4' 9)' 2)' 5&A843' 9' *89, G' 8

', (' 45,' ,01,**, (1,3' 75815' 8,4) ' = 33, 33, ;' 7,),' (4' 9' &' @8(;' 1&*12*&4, ;' 4 ' 78(' 9)' 58 : ' 45,' &99, 148 (3' 9' 583' , : 8(, (4*6' 18'81' &(;' 18'8**' 32AH, 143 ' ,' 7&3' ?), &4' 8(' &**' &45*, 481' 3=)43' L ' (,' 9' 45,' 98)34' 7), 34*,)3' 9' 583' ;&6 ' &' : 8?546' =*&6,)' &4' 45,' ?), &4' A&** C' &(;' '814)' 8(' 3215' 1 (< 4, 343' ',)' 45,' A, 34' =*&6,)3' 8(' 4&*6 ' 75 ' 7,),' 7 (4' 4 ' 1 : ,' 4 ' *), (1,' 4 ' 4)6' 45, 8)' 34), (?45' &(;' 3@8**' &?&8(34' 58 : ' 5,' (&42),' 9' 45,' *), (48(,' : 8(;' 8(1*8(, 3' 84' 4 ' 9, ,** &; : 8)&48 (' &(;'),3=, 14' 9)' 1*, ',)' = *816 ' , ', (' 75, (' , : =* 6, ;' &?&8(34' 45,' *8A,)48, 3' 9' *), (1, M A24' 8,) ' 7&3' ; , ' 8;' 9' &(6' 3215' D2&*846 ' 0 845' 45,' ,01, =48 (' 9' =, (*6' &(;' 2(;83?283, ;*6' 3, 8>8(?' , ',)6' ==)42(846' 9' A)24&**6' 32==), 338(?' &**' 45 3,' 9814848 23' &==, &)&(1, 3' 9' 9), , ' 9) : 3

436.76 ' W U ' #66' +, 4 ' 4 ' 5 ' X ' 8394 ' G<, ' G3, 16' <4=' <4=1, 3 ;' 4 . ' 6D 6 ' 4=' 4 . ' 822' 36=56:1=' , . 6' , %' 1<6') , =1' 13*=1G, 31<;' , %' 1<6' : , . 16) 5, 383 ;' 2, 36. 14. 6' <4=1, 348 . = ' #66' =,) 6' 8: : , *. 1' , %' 8394 ' 4 . ' 8' +, 2*) 6' E ;' 1<6' 536=6. 1' G34163' , . ' 1<6' 432<, , 9' , %' 81<634. 6' 96@ 694:4 ' 556. 94D' , ' W ' 5 ' U' ^ 422834 ' 418' 94' #8+, . 83, 28 ' +, 4 ' 4 ' 5 ' W

J' *1, >>&' ; 8' 3&(?2, ' H' *&)81, ' ; , ?*8')38(8

W' =,), ' 8(, ; 84, ' ' 8 ' 88 ' =' - ! .

i' <6' ' 5822, . 6 (' 8' >8) 6' =1424' 528 ; 69' 4 . ' 182 ;

! ' ' L L ')

), (> ' ; , P , ; 818 ' 5& ; ' 3,12), , ; ' &' 34)814' &**8&(1, ' A, 47, , (' 45, ' (4899' &(; ' 45, ' , ; 818 ' ((1, (4' ; 8, ; ' (' 45, ' #!45' 9' E2*6 ' - # ' *844*, ' :), ' 45&(' 45), , ' : 2453' &94,)' 45, ' ; , &45' 9'), (> ' 83' 5, &*45' 5& ; ' A, , (' 9&8*8(?')&=8; *6' 9)' 3 : , ' 48 : , ' =&34 ' &(; ' 5, ' 5& ; ' *&44,)*6' 9&**, (' 8(4 ' 3215' &' 34&4, ' 9' 342=)' 45&4' 84' 5& ; ' :), ' 45&(' (1, ' A, , (' A, *8, ' , ; ' 45&4' 5, ' 7&3' &*), &; 6' ; , &; ' 0 58*, ' 5, ' 7&3' 8(' 4583' 34&4, ' &' E, 7835' I =563818&(' 1& : , ' 9)7&); ' 75 ' =) = 3, ; ' 4 '), 34), ' 45, ' '84&*' 9)1, 3' 9' 45, ' *6' &45,)' A6' : , &(3' 9' 45, ' (, 7*6' 8 : &?8(, ; ' 315, : , ' 9' 4)&(39238(?' 8(4 ' 583' ', 8(3' 45, ' A* ; ' 9' &' 6 2(?' &(; ' 5, &*456' 32AH, 14' 8(' 45, ' =)8 : , ' 9' *89, ' 5)81, ' 7&3' 45, ' , O=,)8 : , (4' 4)8, ; ' &(; ' 45)81, ' 45, ' '8148 : ' 9' 45, ' =), = 34,) 23' (48 (' =,)835, ; ' 9' 1 2)3, ' 7845 24' A4&8(8(?' 45, ' 3 : &**, 34' &; '&(4&?, ' 9)' 45, ' ; 68(?' (4899' 5, ' *& ; 3' 3&63' (9,332)& J' 75 ' 4, **3' 23' 45&4' 45, 6' 7,), ' A 63' 9' 4, (' 6, &)3' *; ' 75 ' 7,), ' A 2?54' 9)' &' ; 21&4' &. =8, 1, ' 9)' 45, ' = : .= 3, ' ; 8, ; ' 5, ' =, ' 7&3' (4' 5, &*, ; ' &(; ' 45, ' E, 7')&(' &7&6

: , ' *844*, ' 48 : , ' A, 9), ' 45, ' 1* 3, ' 9'), (> P3' *89, ' &' (&) *&' 5& ; ' =), ; 814, ; ' 45, ' ; , &453' 9' 58 : ' 9' =, ' ((1, (4' &(; ' 9' ,); 8(&(; ' 45, ' @8(?' 9' &=*, 3' &3' 3 (' &A 24' 4 ' 5&==, (' 7 .458); 3' 9' 45, ' =) =5, 16' 5& ; ' (7' 1 : , ' 4)2, ' &(; ' A, 9), ' 47 ' :), ' 6, &)3' 5& ; ' =&33, ; ' 45, '), : &8(8(?' 458); ' 7&3' 92*98**, ; ' A6' 45, ' ; , &45' 9' 45, ' @8(?' (' 45, ' #); ' 9' E&(2&)6 ' - - ' 583' =), ; 8148 (' 7&3' 244,), ; ' 8**' 45, ' 3&1)8346' 9' 4 ' &)@P3' 52)15 ' 8(' 45, ' =), 3, (1, ' 9' 45), , ' 7, **.@(7(' &(; '), =24&A*, ' 1848>, (3 ' *, 33&(;) ' 118&82 *8 ' 38 : ' 21, **&8 ' &(; ' &)* ' &)(, 3, 1158M 84' 83'), 1); , ; ' A6' &' ?), &4' (2 : A,)' 9' 1 (4, : =)&)6' 7)84,)3 ' &(; ' &' (&) *&' 9), D2, (4*6'), 9,)), ; ' 4 ' 84' 32A3, D2, (4*6' 58 : 3, *9 '9' 24' 45,), ' ; , 3' (4' &==, &)' 4 ' 5&', ' A, , (' &(6458(?' 8(' 3215' &' =), ; 8148 (' 3299818, (4*6' 8 : =) A&A*, ' 4 ' : &@, ' &**45, ' =&)&; , ; ' , '8; , (1, ' 9' 843'), &**6' 5&'8(?' A, , (' 244,), ; ' &4' &**(, 1, 33&)6M)' &(6458(?' 3299818, (4*6'), : &)@&A*, ' 4 ' H234896' 45, ' 9)8&)' 8(

Z' ! 4834*) ' 85*9' *381 ' #: 3451 ' 63 ' 181 ' 1,) ' 444 ' 5831' ' 5 ' W UW
j' 422834 ' O418' 94' #8+, . 83, 28 ' +, 2 ' 4 ' =' W X

UX A&38(?2= (' 84 &(6 1*&8 : ' , ' , (' 4 ' &' 3=, 18&* ; , ?) , , ' 9) ; 8< (&)6 9) , 38?54 ' 4 83 ' ,)6 , &36 4 ' A , *8 , ' , ' 45&4 3215 ' &' =) , ; 8148 (' 7 &3 : & ; , ' A6 ' &' (&) *&' 4 7 &3 , 01 , , ; 8(?*6 =) A&A* , ' 45&4 84 35 2* ; ' 112)' 4 ' &(6A ; 6 1&348(?' 583 , 6 , 3 ' ,)' 45 , ' = *8481&* 5)8> (' 9 4&*6 45&4 &** 45 , 3 , ' 45) , , ' , ' , (43 7 ,) , ' *8@ , *6 4 ' A , ' (4 9&)' 99 ') , (> P3 5 , &*45 5&; ' * (?' A , , (' 8(' &' ' ,)6 =) , 1&)8 23 34&4 , ' &(; ' 583 : ; , ' 9 *89 , ' 7C&3 (4 1&*12*&4 , ; ' 4 ' =) * (?' 583 ; &63 ' =, ' ((1 , (4 7 &3 , '8 ; , (4*6 (, &)' 583 /, (; ' 9)' &' * (?' 48 : , ' A , 9) , ' 583 ' ; , &45 &142&**6 112)) , ; ' (; ' $8(?' ,) ; 8(&(; ' 7 &3 &(' 8(98) : ' *; ' : &(' 9 3 , ' , (46 6 , &)3 ' 5 , ' 3 : &** =) A&A8*846 45&4 &(6 9 45 , 3 , ' =)8(1 , 3 1 2* ; ' *&34 : 215 * (?,)' : 234 (, 1 , 33&)8*6 5&' , ' 32??, 34 , ; ' 843 , *9 4 ' &(6 3=, 12*&4)' (' 45 , ' =) A&A* , ' 1 2)3 , ' 9 4&*8&(' = *84813 ' (; ' 7 , ' &) , ' (4 4 *; ' 45&4 45 , ' =) =5 , 16 7 &3 &11 : =&(8, ; ' A6 ' &(6 9 45 3 , ' =) , 183 , ' 8(; 81&< 48 (3 9 ; &4 , ' 75815 ' &* (, ' 7 2* ; ' 5&' , ' : & ; , ' 84) , : &)@&A* , 24 ((, ' 45 , ' * , 33 4583 =) , ; 8148 (' 9 45 , ' : 8(81&(' 9)8&)' 5&; ' &(' 8 : =)4&(4 , 99 , 14 8(' 1 (4)8A248(?' 4 ' =*&1 , ' 58 : ' 8(' 45&4 = 3848 (' 75815 ' , (&A* , ; ' &(; ' 1 : =, ** , ; ' 58 : ' 4 ' 4&@ , ' 3 ' 8 : =)4&(4 &' =&)4 8(' 45 , ' = *8481&* 5834)6 9 *) , (1 , ' ; 2)8(?' 45 , ' , ' , (492* =,)8 ; ' 45&4 7 &3 (7 ' &A 24 4 ' =, (')' 4 ' 45 , ' , O184&A* , ' : 8(; 3 9 45 , ' = =2*&1 , ' 45 , ' =) =5 , 16 7 &3 &' : &)' , ** 23 4 , 348 : (6 4 ' 45 , ' 5 , &' , (.3 , (4 3 , ,)358=' &(; ' : 8338 (' 9 45 , ')8&)' (; ' 45 , ' 18)12 : 34&(1 , ' 9 583 5&'8(?' A , , (' 3 , (4 9)' A6), (> ' 8(' 583 *&34 : : , (43 ' 4 ?, 45 ,)' 7845 ' 45 , ' 9&14 9 583 5&'8(?'), 923 , ; ' &A3 *248 (' 4 ' 45 , ' ; 68(?' , ; 818 ' 3 ,)' , ; ' P?), &4*6 4 ' 8(1), &3 , ' 583 &245)846 &(; 365*B 4&48 (' 8(' 45 , ' 1846 ' 758* , ' &4 45 , ' 3& : , ' 48 : , ' 84) , (; ,) , ; ' :) , ' 1* , &)*6 : &)@ , ; ' &(; ') , 1 ?(8>, ; ' 583 9981 , ' &3 45 , ' =) , &15 ,)' &(; ' : 245=8, 1 , ' 9 45 , ' =&)46 == 3 , ; ' 4 ' 45&4 9& : 8*6

(; ' 45 , ' 1 (; 214 9 8, 4) ' 7&3 1&238(?' 4583 =&)46 4 ' 8(1), &3 , ' 8(' (2 : A ,)3 ; &8*6 , ' 5&; ' 3211 , , ; , , ; ' 4 ' 45 , ' &245)846 9 583 9&45 ,)' A&), *6 &' 6 , &)' 75 , (' 5 , ' ;), 7' 2= (' 58 : 3 , *9 45 , ' ; 82 : ' 9 (, &)*6 45 , ' 75 *, ' 1846 A6 45 , ' 32 ; ; , (' &)), 34 9 47 ' 6 2(?' : , (' ; 834&(4 1 238(3 9 583 7(

),(> ' &(;' B8 '&((8' 45,' 3 (3' 9' &' 8,)9)&(1,31 ' ;,P '
,;818' ,' 7&3' 7845' ;899812*46'=,)32&;,;'A6'3 :,' 9'45,' C
:),' H2;818 23' 9)8,(;3' 9' 45,' 9&:8*6'4 ' &A34&8(' 9) :'=24<
48(?' 45,3,' 6 2(?' :,(' 75 '.7,),' ,3=,18&**6' = =2*&)' 8('
*),(1,' 4 ';,&45' 5,6'7,),'8:=)83 (,;'&(;',',(42&**6'
,31&=,;'&(;'4 @'),92?,'7845'45,'),(15'@8(?' 24'((,'
45,'*,33'7&3'45,',99,14'=) ;21,;' ('45,'=2A*81' :8(;'8('45,'
1846''),)6'3,)8 23*6'8(H:8 23'4 ' 8,4) ' 5,' :48',' 9'583'
5&4),;'&?&8(34'583'47 '1 238(3'83''),)6';899,),(4*6'34&4,;'A6'
;899,),(4'7)84,)3 J'3 :,'&44)8A248(?'84'4 '&'=,)3 (&** D2&)),**
&(;''8 *,(1,' 75815'5&;' 112)),;'A,47,,('45,'6 2(?':,('
&(; 45,)3' 4 ' 323=818 (3' (' 45,' =&)4' 9' 8,4) ' 45&4' 583'
@8(3:,(',),' =* 448(?'7845'45,'),(15'1 2)4' 5,' 5*6'
),32*4' 9'8:=)4&(1,'5 7,',)' 9'75815'45,),'83'(' ; 2A4'
83' 45,' &: 2(4' 9' 2(= =2*&)846'8(12)),;'A6' 8,4) ' 9) :'
4583'8(18;,(4

'T (;'&*),&;6'45,),' 7,),' 36:=4 :3' 9'1 :8(?'34):'8('
45,' 4&*8&9** 3@6'75815' :&;,'84' ,'8;,(4'45&4'),(> '5&;'
;8,;'4 '3 ('&(;'45&4'&'=8* 4' 9'&''),)6';899,),(4'@8(;'&(;'
1&*8A),' 9) :' 8,4) ' 7 2*;'A,' (,,;,;'&4'45,'5,*:' 9'45,'
34&4,' 89'84' 7&3'4 ' A,' 3&9,*6'34,,),;' &:8;'45,' 1 :8(?'
4,:=,343

** 45,3,' 4) 2A*,3 L 45,' 8(98(84,'8(1&*12*&A*,'3298,)8(?3'
&(;' 7) (?' 75815' 9)' 3 :,' ?,(,)&48 (3' :&;,' 4&*6' 45,'
?&);,(' &(;' =&)&;83,' 9'45,'7)*;'&'5,** 2= (' ,&)45'&(;'
45,'1 (3,D2,(1,3' 9'75815'=&)&*63,;'5,)' 9)'3 ':&(6' :),'
?,(,)&48 (3'&(;'),(;,),;'5,)'&';,&;'7,8?54'&(;'8:=,;8<
:,(4'4 '&** 52:&('=) ?),33'8(34,&;' 9'A,8(?'&'9 8C,:34'
7)@,)' &(;' =8 (,,)' 8(' 45,' =&45Y' 9' 8:=) ',:,(4'&(;'
&;'&(18(?' 18'8*8>&48 (L &** 45,3,' 4) 2A*,3 ' ' 3&6' Y75815'
7,),' (7' &A 24' 4 ' A2)34' *8@,' &' 9* ;' 2= (' 4&*6' 7,),'
1&23,;' (4' 3 ' :215' A6'45,' 3=,18&** 781@,;(,33' &(;' =,)<
',)3846' 9'4583'45&4')'45,' 45,)'8(;8'8;2&*' &3'84'5&3'A,,(

'** 8394' +,2' 4' 5' ^' 4,;4,' 0418' 24E' 4 ^))4381,' 24E' DD+4 ^
*4::48394.4' 24E' 4

□ 232&**6' 45,' 1234 :' 9' 5834)8&(3' 4 '),=),3,(4' &3' A6' 45,' 8(,'84&A*,' =,)&48 (' 9' 1,)4&8(' =)8(18=*,3' 75815' 7,),' 2(8< ',)3&**6' 6,1 ?(8>,;' &3' 8(;83=24&A*,' A6' :&(@8(;' &4' 45&4' 48:,' (*6' D284,'),1,(4*6' 5&3' 45,' 2) =,&(' 7)*;' A,?2(' 4 ' 1 :=),5,(;' 45,',O=,;8,(16' 9'),*8(D28358(?' 45 3,'=)8(< 18=*,3' (;' &332),;*6' 45,' (*6' 3&9,?2&);' 75815' 45,'/ 7)*;' 1&(' 98(;' &?&8(34' A,8(?' &?&8(' &(;' &?&8(' =*2(?,;' 8(4 ' &' 38:8*&)' 3,&' 9' :83,)8,3' &(;' 4) 2A*,3' :234' A,' 9 2(;' 8(' 3215' 8:=) ',;' 1 :=),5,(38 (' &(;' (4' 8(' 45,' 8:=) ',;' '8)42,' 9' 45,')2*,)3' 9' (&48 (3

,,=' ; 7(' H(' 45,' ',)6') 43' 9' 45,' 9,2;&*' 3634,: L' ;,,=,)' 348**' =) A&A*6' 8(' 45,' A)&8(.1 (3484248 (' 9' 45 3,' ( )45,)(')&1,3' 75 ')8?8(&4,;' 45&4' :;,' 9' 3 18&*')?&(8< >&48 (L =),'&8*3' &' 1 (H2(148 (' &(;' 1 (9238 (' 9' 45,' 8;,&3' 9' *&(;. 7(,)358=' &(;')2*,)358=' ,' 75 ' = 33,33,;' 45,' *&(;' 7&3' 45,' (&42)&*' &(;' B ;.&== 8(4,;')2*,)' 9' 45 3,' 75 ' ;7,*4' (' 45&4' *&(;') :' 45,(1,' 4 ' 45,' 45,)6' 75815' 1 (38;,),;' &' (&48 (' &3' &(' ,34&4,' &(;' 32AH,14,;' 84' 4 ' &**' 45,')2*,3' &(;' '81833842;,3' 2(;,)' 75815' 45,' 4)&(3:8338 (' 9'),&* =) =,)46'9) :' (,'?,(,)&48 (' 4 '&(45,)' 4 @'=*&1,'45,') 24,' 7&3' =*&8(' &(;' 2(:834&@,&A*,' 4' 83' &**',)6' 7,**9)' 83.' : (;8' 4 ' 4,** 23' &4' 45,' A,?8((8(?' 9' 45,'(8(,4,,(45' 1,(42)6' 45&4' F45,' ? ',)(:,(4' 9' (&48 (3' 83' (4' 4)&(3:844,;' A6' 4,34&:,(4&(;' 84' 83' &:238(?' &(;' 8(34)2148',' &3' 35 78(?' 45,' ?)&;2&*' &(;' 3* 7'=) 1,33' 9' ?) 745' 9' &' (,7' 45,)6' ,',(' &4' 45&4' ;&4,' &(;' 8(' 3215' &' :8(;' &3' 583' 4 ' 98(;' 58:' &;;8(?' 4 ' 45,' &A ',' 7);3 L F' 4 ' 45,.' 8(H2)6' 9' 45,')8?543' 9' 45,' *,?848:&4,' 3211,33)3 G' J' (' 4)245' 45,' =)8(18=*,' 3 ' ,(2(18&4,;' 83' 9' *844*,' 7)45M' &(;' ,',(' 89' 84' 5&;' A,,(' : 34' 92**6' &;:844,;' 8(' 45,' 9894,,(45' 1,(42)6' 84' 7 2*;' 5&',' ;(,'*844*,' 4 7&);3' 3&'8(?' 45,' 7:)*;' 9) :' 45,' :839)42(,3' 75815' 9,** 2= (..84' (6'1 :=,4,(4' 9,2;&*' *&76,)' 1 2*;' 5&',' 4 *;' 45,' 5834)8&(' 45&4' ;899812*48,3',(2?5' 4 ' A&99*,' &(

J' 83: (;8' 834 8),';,3')&(?&83' ' *' O' '='

&124,' 8(',348?&4)' :&6',(',* =,' 4583' :&44,)' 9'*,?848:&4,' 3211,338 (M &(;' 45,'=) ?),33' 9' 45 2?54' 2= (' 45,' 32AH,14' 7 2*;' &4' &'*844*,' *&4,)' ;&4,' 5&',' 34 ==,;' 45,' 7)84,)P3' =,(' &4' 45,' 7);' F'4,34&:,(4 G')')&45,)' 5&',' 32A348424,;' 9)' 45,'*&44,)' 1*&23,' 9' 45,' 3,(4,(1,' 45,' 7);3' FJ)' A6' &(6' 45,)' : ;,' 9' 3211,338 (' 3&',' 8(' 3 ' :215' &3' 84' 35&**' 3,,:' ? ;' 4 ' 45,' (&48 (' ? ',)(,;' 4 ' &==) ',' 9' 3215' 4)&(3< :8338 (G' 24' &4' 45,' 48:,' 8(' D2,348 (' 9' 75815' 83: (;8' &*3 ' 7&3' 7)848(?' 84' 7&3' 2(8',)3&**6' 32== 3,;' 45&4' 45,' @8(?; :' 75815' &' 3 ',),8?(' ? ',)(,;' 7&3' 583' =) =,)46' 75815' 84' 7&3' 1 :=,4,(4' 4 ' 58:' 4 ' A,D2,&45' 2(;,)' 45,' 3&:,' 1 (;848 (3' &(;'*8:84&48 (3' 75815'),?2*&4,;' 45,' 4)&(3< :8338 (' 9' 45,)' 8(9,)8)' 98,93

7' 84' 7&3' 9) :' 4583' 9,)48*,' 3 2)1,' 9' &';83=24,;' 3211,3< 38 (' 4 ' &' 45) (,' 45&4' 45,' 9&4&** 1 :=*81&48 (3' 75815' 7,),' (7' &A 24' 4 ')28(' 4&*6' &) 3,' 4' 7&3' (,&)*6' &(' 52(;),;' &(;' 98946' 6,&)3' 38(1,' 45,' 78**' 9' &' 7)45*,33' Z2,,(' 9' &=*,3' 5&;' A6' A,D2,&458(?' 1,)4&8(')8?543')' &==,&)&(1,' 9')8?543' 4 ' 45,' 5 23,' 9' (H 2' 3 7(' 45,' 3,,;3' 9' 45,3,' ,' 3' 4' 5&3' &*),&;6' A,,(' 3,,(' 8(' 45,' 1 2)3,' 9' 4583' 5834)6' 45&4' 45,3,'),(15' 1*&8:3' 7,),' &3' &(' ,',). =,('3),' 1 (48(2&**6'),&;6' &4' &(6' : :,(4' 4 '=) ;21,' :83158,9' &(;' 4 ' A,' :&;,' 45,' 3 :P1,' &(;' =),4,O4' 9)' 7&)' A6' &(6'= 4,(4&4,' 75 ' 1 (< 1,8',;' 84' 4 ' A,' 583' 8(4,),34' 4 ' ; ' 3 C' (;'(7' &4' *&34' 4583' :,(&18(?' 34 (,' 7&3' 3,4') 8*8(?' A6' &' =)8(1,' 75 ' 5&;' 5845,)4 ' 3 ' 9&)' ;,3,)',;' 7,**' 9' 4&*6' 75&4,',)' 45,)783,' 583' ;,:,)843' :&6' 5&',' A,,(' 8(' 45&4' 5,' 5&;' 34)8',('4 ' @,,=' 5,)' ;898,),(4')2*,)3' 2(84,;' &?&8(34' 45,' 2*4)&: (4&(,' 8('&;,)3

2; '81 ' 8**) ' 45,' 2(1*,' 9' 45,' (:8(&**6'),8?(8(?' 2@,' 9' 8*&(' 7&3' &(' &A*,' 45 2?5' &(' 2(31)2=2* 23' :&(' &(;' &(' &3424,'= *84818&(' B8 '&((8' B&*,&>> ' 583' (,=5,7C' 45,' F*,?848:&4,G' 2@,' 7&3' 7)45*,33' &(;' 8(1&=&A*,' 8(',',)6'= 8(4' 9' '8,7 ' F' 4),(?45' 78**' A,'*);' 9'8:A,18*846 G' &(;' 2; '81' 45,' 7&)456' 15 3, L =,)5&=3' 5&);*6' 4 ' &

WWX ?),&4,)' ;,?),,' 45&(' 7&3' (,1,33&)6' 4 ' 45,' A,34' 8(4,),343' 9' 45,' *2156 L 4 ' @,,=' 583' 8(1 : =,4,(4' (,=5,7'8(' &' 34&4,' 9' 424,*&?,' &(;' 4 ' 5 *;' &**'),&*= 7,)'8(' 583' 7(' 5&(;3')' 83' 45,),' &(6'),&3 (' 9)' 458(@8(?' 45&4' 4583' &))&(?,:,(4' :8?54' (4J' 5&','A,,(' =,)9,14*6' 3&4839&14)6' 4 ' &**' A24' 45,' 9&42 23' =)8(1,'75 ' 112=8,;' 45,'45) (,' 9'45,' 9)>&3' 24' B8 '&((8' B&*,&>> ' 5&;' &' 789,' 3&A,**&' 9'))&? (' 45,' ;&2?54,)' 9' *=5 (3 ' 2@,' 9' &*&A)8&'&(;'?)&(;.;&2?54,)' 9' ,);8(&(;' 45,' *;' &(?' 9' &=*,3' 7'89'B8 '&((8' B&*,&>> ' 7&3' 9)' 58:3,*9' 1 (4,(4' 784*' *8'8(?' 8(' &' 34&4,' 9' 424,*&?,' 3&A,**&' 7&3' (4' 1 (4,(4' 4 ' A,' 45,' 789,' 9' &' =)8(1,' 75 ' 3 ' *8',;' 5,' 7&3' 3&63' 58*8==,';,' :8(,3 J' F' ',)6' 1 2)&?, 23' &(;' 7 2*;' 9&8(' 5&',' ?8',('1),;84' 4 ' 5,)' 523< A&(;' 89'84' 5&;' A,,(' = 338A*,' 9)' 5,)' 4 ' ;' 3 ' 24' 5,' 7&3' 9&)' 9) :' 783,' &(;'),',&*,;' &** 35,' 3&8;' 4 ' 58: G' (1&=&A*,' &3' 5,' 7&3' 3&A,**&' 1 2*;' (4' A,' 1 (4,(4,;' 4 ' *8',' 45,' 789,' 9' &' :,),' =2==,4' : (&)15' &(;' 7&3' 1 (34&(4*6' 2)?8(?' 5,)' 9&45,)' &(;' A) 45,)' 4 ' ;,:&(;' 9' 2;'81 ' 45&4' 5,' 35 2*;' ?8',' 2=' 45,'),&*? ',)(:,(4' 8(4 ' 45,' 5&(;3' 9' 583' (,=5,7 7' 2;'81 ' 8*') ' 5&;' 5845,)4 ' 34)8',('4 ' @,,=' &(;' A6' 45,' 5,*=' 9'),(> ' ;,P ,;818' 5&;' 5845,)4 ' 3211,,;,;' 8(' @,,=8(?' 45,' 4&*8&(' =)8(1,3' 3 ' 9&)' 2(84,;' &: (?' 45,:3,*',3' &3' 4 ' .99,)' (' 4,:=48(?' ==)42(846' 4 ' 34)&(?,)3' (' 45,' ( )45,)(' 38;,' 9' 45,' *=3' 4 ' :&@,' 45,8)';899,),(1,3' &' :,&(3' 9)' 45,' =) 3,1248 (' 9' 45 3,' 1*&8:3' (' 45,' @8(?;:' 9' &=*,3' 75815' 7 2*;' &332),;*6' 8(' *',' &**' 4&*6' 8(' 45,',' 8*3' &(;';&(?,)3' 9' &' 9),8?(' 8('&38 (' 24' 75,('),(> ' 7&3' ? (,' &(;' &' 3211,33)' = 33,338(?' ((,' 9' 45&4' :)&** &31,(< ;&(16' ',)' 45,' :8(;3' 9' 45,' 4&*8&(' 3 ',),8?(3' 75815' F' ' &?(8981 'G' 5&;' 78,*;,;C' &(;'8(1&=&A*,' 9' 2(;,)34&(;8(?' 45,' = *816' 75815' 5&;' ? ',)(,;'),(> P3' &**8&(1,3' 5&;' 34,==,;' 8(4 ' 583' =*&1, L 75,(' =,' ((1,(4' 75 3,' = 7,)' &(;' &245)846' 5&;' A,,(' &4' 45,' ;83= 3&** 9'),(> ' 5&;' &*3 ' *,94

45,‘ 31,(,‘ &(;‘ A,,(‘),=*&1,;‘ A6‘ &‘ =,‘ 75 ‘ 7&3‘ 7,**‘ @(7(‘4 ‘A,‘),&;6‘4 ‘3,**‘58:3,*9‘4 ‘ &(6‘ 1&23,‘45&4‘ :8?54‘ 58;‘ 58?5,34‘ 9)‘ 583‘ 32==)4 L C2(;,)‘ 45,3,‘ (,7‘ 18)12:< 34&(1,3‘ 45,‘ 7&)456‘ 2; ‘81‘ 9,*4‘ 58:3,*9‘4 ‘A,‘8(‘&‘‘,86‘ =),1&)8 23‘ = 3848 (‘ 75,(‘45,‘ ,&= *84&(‘9&45,).8(.*&7‘ 9‘ 583‘ (,=5,7‘8(3834,;‘8(‘ :),‘=,),:=4)6‘4 (,3‘45&(‘5,‘5&;‘ ,‘,)‘5845,)4 ‘23,;‘45&4‘45,‘*&7 92** 2@,‘ 9‘ 8*&(‘35 2*;‘ A,‘),34),;‘4 ‘583‘92**‘)8?543‘ (‘45,‘98)34‘ =*&1,‘ 2; ‘81 ‘ 5&;‘45,‘3,(3,‘ 9‘ 7,&@(,33‘ 75815‘&‘1 (318 23(,33‘ 9‘7) (?‘ ; (,‘83‘32),‘4 ‘A,?,4‘ 83‘)2*,‘45 2?5‘(4‘3=,18&**6‘7)C‘ 45&(‘45&4‘ 9‘583‘ (,8?5A 2)3‘5&;‘(4‘A,,(‘3215‘&3‘4 ‘.3,12),‘ 9)‘58:‘45,‘2(;8‘8;,;‘ 32==)4‘)‘ 5,&)46‘ &**,?8&(1,‘ 9‘ 45,‘ 2156‘ 5,(‘45,‘ ,(,48&(3‘ 5&;‘(4‘9)? 44,(‘ &(;‘5,‘ @(,7‘7,**‘45&4‘45,6‘5&;‘(4‘9)? 44,(‘45,8)‘ *;‘1*&8:3‘4 ‘&‘ *&)?,‘=)48 (‘ 9‘45,‘; :8(8 (3‘ 9‘45,‘5 23,‘ 9‘ 9)>&‘&(;‘ 45,8)‘ *;‘5 =,3‘ 9‘,O4,(;8(?‘45,‘3 ‘,),8?(46‘ 9‘45,‘Z2,,(‘ 9‘45,‘ ;)8&481‘ ‘,)‘=) 2;‘ 8*&(‘843,*9‘ ,‘7&3‘2(;,)‘(‘ ;,*238 (‘&3‘4 ‘45,‘9&14‘45&4‘45,‘,‘,).?),,;6‘&(;‘,(1) &15< 8(?‘ ,(&4,‘38448(?‘&: (?‘45,‘52(;),;‘83*,3‘&*7&63‘&‘;&(< ?,) 23‘ (,8?5A 2) ‘7 2*;‘A,1 :,‘&(‘ =,(‘ ,(,:6‘89‘&(‘ ==)42(846‘ 9‘35 78(?‘5,)3,*9‘3215‘7845‘&‘9&8)‘=) 3=,14‘ 9‘ 3211,33‘35 2*;‘ 99,)‘843,*9

(;,)‘45,3,‘18)12:34&(1,3‘45,‘3:&**,34‘:&(89,34&48 (‘ 9‘ 45,‘;83= 3848 (‘ 9‘45,‘(,7‘)2*,)‘ 9‘ *),(1,‘4 7&);3‘58:‘ &(;‘ 9‘45,‘1 2)3,‘ 9‘1 (;214‘75815‘5,‘ :8?54‘ ,O=,14‘9) :‘ 58:‘8(‘1&3,‘&‘A),&15‘ 9‘45,‘?,(,)&** =,&1,‘8(‘ 4&*6‘35 2*;‘ 112)‘A,1&:,‘‘,)6‘8:=)4&(4‘ (;‘84‘83‘4583‘1 (38;,)&48 (‘ &* (,‘75815‘1&(‘=,)32&;,‘&‘),&;,)‘4 ‘&11,=4‘45,‘ :8(24,‘ &11 2(4‘?8‘,(‘A6‘B28118&);8(8J‘ 9‘45,‘98)34‘1&23,3‘ 9‘45,‘ 24< A),&@‘ 9‘5 348*848,3‘&3‘&4‘&**‘1&=&A*,‘ 9‘=) ;218(?‘3215‘‘&34‘ &(;‘: :,(4 23‘),32*43‘ 5,‘1 (;214‘ 9‘ 2; ‘81 ‘89‘2(,O< =*&8(,;‘A6‘45,‘2(,&38(,33‘&(;‘323=818 23‘3,(3,‘ 9‘8(3,12)846‘ 75815‘:&;,‘84‘ &==,&)‘ (,1,33&)6‘4 ‘58:‘ 4 ‘A,‘ A,9),5&(;

' 7845' 583' ,(,:8,3' 8(' =) '8;8(?' 9)' 583' 7(' 3&9,46' &4' &*' 5&>&);3' 7 2*;' &==,&)' &*4 ?,45,)' =2,)8*,' &(;' 8(1),;8A*,' 8(' &' =)8(1,' 75 ' 5&;' 3 ' &A*6' 34)8',(' 4 ' 7&);' 99' 9) :' 4&*6' 45,' ',)6' 1&*& :848,3' 75815' 5,' 7&3' (7' 45,' :,&(3' 9' A)8(?< 8(?'; 7('2= ('5,)

3' 232&*' ('45,'&11,338 (' 9'&'(,7' =,'3=,18&*' &:A&3< 3&;)3' 7,),' &== 8(4,;' A6'&*' 45,' 4&*8&(' = 7,)3' 4 ' 7&84' (' *,O&(;,)' '&4' :,'4 '1 (?)&42*&4,'58:' ('583'=) < : 48 ('&(;'&332),'58:' 9'45,' A,;8,(1,' 9'45,8)',3=,148',' C&4,3' 5,'9),: 34' 1848>,(3'8('))&(@'&(;'7,&*45'&11 :=&< (8,;'A6'3 :,'1 **,&?2,'75 3,'3=,18&*'D2&*8981&48 (3'1 (3834,;' 8('583'*,&)(8(?'&(;',* D2,(1,'&(;'75 '7&3'4 '5&)&(?2,'45,' =,' 8(' 45,' (&:,' 9' 45,' ,(48),' ,:A&336' 7,),' &*7&63' 15 3,('8(',&15'1846' 5,' 11&38 (' 7&3' (,'&3'84' 78*' A,' ,&38*6'8:&?8(,;' 9' :215')8'&*)6'&(;'1 :=,4848',' 34,(4&< 48 ('&(;' (4' 2(9),D2,(4*6'&*3' 9' :),' 3,)8 23' 8(4)8?2,3' &(;'(,? 48&48 (3

*),(1,' (:8(&4,;'38O' 1848>,(3' 8(1*2;8(?' 8,)' ;,P ,;818' &(;' B,(48*,' 835 =' 9'),>>' 75 ' 7&3' 4 ' A,' 3= @,3:&(' 3' 45,6' 7,),' ('45,' = 8(4' 9' 34&)48(?' 9)' :,' 45,),' 1&:,' &' =) = 3848 (' 9) :' 8*&(' 32??,348(?' 45&4'8(&3:215'&3' 8*&(' *),(1,'&(;' &=*,3'7,),' A 2(;' 4 ',&15' 45,)'8('&' 1 : : ('&**8&(1,'84' 7 2*;' A,' 7,**' 9)' 45,'45),,',:A&338,3'4 '2(84,'4 ?,45 '8('45,'(,8?5A 2)5 ;' 9' :,'&(;'45,('&@,' 45,8)',(4)6'&(;'45,8)'&==,&)&(1,' A,9),'45,' =,'4 ?,45,)'&(;'&3' (,'3 *,' A ;6' 338A*6' 45,' :48'U' 9' 4583' =) = 3&*' 7&3' 4 ' 4)6' 45,' 4,:=,)' &(;' 8(4,(48 (3' 9' 8,) M' =,)5&=3' 4 ' A'8&4,' 3 :,' 323=,14,;' 2(;,)5&(;' 8(4)8?2,'M)' ',)6' *8@,*6' [&(;' =,)9,14*6' 8(' &1< 1);&(1,'7845' 4&*8&(' :,;8\'&*' 7&63' &(;'5&A843' 9'* @8(?' &4'458(?3]' 38:=*6' 4 ' =),',(4' 45,' ,;81,&(' :&?(8981,(1,' 9) :' 5&'8(?' &(' ==)42(846' 9' 24358(8(?' 45,' 8*&(,3,' ,:A&336

7,',)' 4583' :&6'5&',' A,,('45,' =) = 3&*' 7&3' &4' 98)34' &33,(4,;'4 ' A 45' &4' *),(1,'&(;' &4' &=*,3' 24' ,33,)

WUX)&(1,315,44 ' 6A ' 45^' 3 (' 9' 4*H,' *&4,' =,' ((< 1,(4C' '&(;'45,'A) 45,).8(.*&7' 9' 8,4) ';,P ,;818'7&3' 8(' = 33,338 (' 9' 1,)4&8(' 98,93')8?5492**6' A,* (?8(?' 4 ' 45,' 52)15'8('45,' :&(' 4,))84)6' 24' (' 45,' ,*,148 (' 9' 45,' (,7' =,' 9;&)8(?' 45&4' 5,' 35 2*;' A,' 1 :=,**,;' 4 '),*8(D2835' 45,3,' *&(;3' 5,'3 *;' 45,:' 4 ' 8)?8(8 ')38(8'&' 1 ((,148 (' 9' 8,4) 'A6'583' 789,'&(;'583' : 45,)'75 '7,),' A 45'=)8(1,33,3' 9' 45&4' ?),&4' &(;' = 7,)92*' 9&:8*6' 5,' 4)&(3&148 (' 8(;,,;' A,47,,(' 45,3,' 47 ' 1 ((,148 (3' 9' 45,' 5 23,' 9' ,;818' 5&;'A,,(' &))&(?,;'A6' 8,4) '58:3,*9' (' 45,' 45,)'5&(;' 8)?8(8 ')38(8' 7&3' &'?,(,)&*'8('45,'3,)'81,' 9'45,'$8(?' 9' &=*,3'75 '5&;' &*3 '4&@,('&('8(4,),34'&(;' &'=&)4'8('A)8(?8(?'&A 24'45,'A&)?&8(' 8(' D2,348 (' (4' (*6' 9) :' 9)8,(;*6' 9,,*8(?' 4 7&);3')38(8'A24' 8(;21,;'A6'45,' 1 (38;,)&48 ('45&4'8(&3:215'&3' 2;'81 '8*')'5&;'1 (< 4)8A24,;' = 7,)92**6'4 '45,' ,*,148 (' 9' 45,'38: (8&1&*' =,' *,O&(;,)'84'7 2*;'A,'&3' 7,**4 '5&','&' :,&(3'&(;'=),4,O4' 9)'&((68(?'&(;'D2&)),**8(?' 7845' 45,' (4899'),&;6'4 '583' 5&(;'8(' 1&3,' 45,' (,,;' 9)' 3215' &' 7,&= (' 35 2*;' &C83,' 3' B28118&);8(8' ',O=),33,3'84' F'5,'7835,;'45&4'45,3,'*&(;3' 35 2*;'A,'&'A (,'8('45,' =,P3'45) &4'A6' :,&(3' 9'75815' _)38(8' :8?54' 15 @,' 58: G' &4' 583' [45,' ,&= *84&('@8(?P3]' 8(348?&48 (' 2;'81 ' ;8;' (4' *8@,'45,'* @' 9' &**45834'8('&(6'=8(4' 9''8,7' ,'45 2?54' 45&4'4583' :&(89,34&48 (' 9' 5 348*,'9,,*8(?'4 7&);3'45,' =,'75 :'5,'* @,;'2= ('8('&'?),&4' ;,?),,' &3' 583' =&)4812*&)'9)8,(;'&(;' '7&3' ',3=,18&**6';8),14,;'&?&8(34'58:3,*9'&7&),'&3'5,'7&3'4 ' 9' 45,'@8(?P3';831 (4,(4'7845'58:' ('45,'31),' 9'583'23:P=&.' 48 (' 9'45,'=7,)'75815'A,* (?,;' 9')8?54'4'583',=5,7' 45,'523A&(;' 9'45,'@8(?P3'?)&(;.;&2?54,)' (;'348**:),' ;83D28,48(?'4 '58:'7&3'45,' :&(89,34' ;)&78(?'4 ?,45,)' 9' 8,4) ';,P ,;818'&(;'45,'@8(?'&3'35 7('A6'45,8)'1 .=,)&.' 48 (' 8(' 4583' :&44,)' 9' 45,' *&(;3' A 2?54' A6')38(8' 9) :

)&(1,31*8,44 ' 6A ' 48**' *8,384&482?' 5 7,',)' 4 ' =*&6' 45,' *&34' ?),&4' &)8;' ;,3=,)&4,*6' ;&(?,) 23' 1&);' 8(' 583' 5&(;' 89' 5,' 1 2*;' 1 (3834,(4*6' 7845' A83' 7(' 3&9,46' &' 8;' ; 8(?' 3 ' 5,' 3,',)&** 48 : ,3' ;, : &(;,;' 9' 45,' & : A&33&;)3' 3,(4' 4 ' 583' 1 2)4' 9) :' &=*,3' &(;' 9) :' *),(1,'45&4' 5?8(8 ')38(8' 35 2*;'),34),' 4 ' 45,' =,' 45,' 98,93' 75815' &' 7,;*6' A,* (?,;' A6')8?54' 4 ' 45`' 58 : 15' 7&)(8(?' A 45' 8,4) ' &(;' 45,P@8(?' 45&4' 2(*,33' 4583' 7,),' ; (,' 5,' 35 2*;' (4'), : &8(' D28,4' 24' &3'P : &6' A,' 32== 3,;' 583'),=),3,(4&< 48 (3'), : &8(,;' 75 **6' 7845 24' ,99,14

48**' &' 9,,*8(?' 9' : 83?8'8(?' &(;' =,)5&=3' 9'),&** 4&*8&(' =&4)8 483 : ' 8(;21,;' 58 : ' 4 ' 4)6' 6,4' &(45,)' *8(,' 9' 1 (;214' A,9),'),3)48(?' 4 ' 45&4' *&34' ;,3=,)&4,' ,O=,;8,(4' 8(;8(?' 45&4' 45,' $8(?' 9' &=*,3' &(;' 8,4) ' ;,P ,;818' 7,),' : &(8< 9,34*6' &(8 : &4,;' A6' 9,,*8(?3' 9' 5 348*846' 4 7&);3' 58 : ' &3' 7,** &3' 4 7&);3' 45,' =,' 5,' 1 (1*2;,;' 4 7&);3' 45,',(;' 9' 45,' 6,&)' - ' &'*,&?2,' 7845' ,(81,' &(;' 7845' 45,' =,' A6' 45,' 348=2*&48 (3' 9' 75815' A,38;,3' 45,'=) '838 (3' 9)' 45,'1 : : (' ;,9,(1,' 9' 45,8)' 3,',)&** 4,))84)8,3' 84' 7&3' =) '8;,;' 45&4' A 45' ,(81,' &(;' 8*&(' 35 2*;' 92)(835' 45,' =,' 7845' &' 1,)4&8(' (2 : A,)' 9' 4) =3' 9)' 45,' 9)18A*,'),1 ',)6' 9' 45,' *&(;3' 5,*;' A6' 8)?8(8,')38(8' 24' ,(81,' 35 7,;' (' &*&1)846' 8(' =,)9) : 8(?' 5,)' =&)4' 9' 4583' &))&(?,: ,(4' &44,)3' ;)&??,;' (' 7845 884' &(6458(?' A,8(?' ; (,' 2; < '81 ' 9 2(;' 58 : 3,*9' :),' 45&a' ,',)' 8(' 1 (3,D2,(1,' 9' 4583' *&34' 34,=' =*&1,;' 8(' &' 7,;' &(;' =,(',(: 846' 4 ' &=*,3' &(;' *),(1,' (;' 34) (?*6' 9,,*8(?' 45,',O4),:,';&(?,)' 9' 583' = 3848 (' 8(' 3215' 18)12 : 34&(1,3' 5,' &4' *&34' 4 @' 45,' 9&4&** 34,=' 9' 8('848(?' 45,'),(15' =),4,(;,)' 4 ' 45D' 18P 7(' 9' &=*,3' 4 ' 1) 33' 45,' *=3' 9)' 45,'=2)= 3,' 9' : &@8(?' ? ;'583' 1*&8 : ' A6' ' 9)1,' 9' &) : 3

' F' 215 G' 3&63' B28118&);8(8' F' 7,),' 45,' A,?8((8(?3' &(;' 45,')8?8(' 9' 45,')28(' 9' 4&*6' &(;' =&)4812*&)*6' 9' 8,4) ' ;,P ,;818 G

J' Yb 5,'1*&8 : 3' 9' 45,' 5 23,' 9' (H 2' ;,)8',;')8?8(&**6' 9) :' ' 8)6P' 1

' 45,' 78*' 9' Z2,,(' B8 '&((&' '8(' 45,' :8;;*,' 9' 45,' 9 2)<
4,,(45' 1,(42)6' &(;' 3,1 (;*6' 9) :' 45&4' 9' B8 '&((&' '
&A 24' ,8?546' 6,&)3' &94,)7&);3 5&;' 94,(' A,,(' &' 3 2)1,' 9'
4) 2A*,'&(;'7,),'1 (48(2&**6'&' :,(&1,'&(;';&(?,)'4 ' 4&*6'
24' &4' 45,'=),c,(4'48:,'45,6'5&;'=&33,;'8(4 ' 5&(;3' 75815'
:&;,'45,' &==,&*' 9' 2; '81 ' &' 3 28P1,' 9' 9&)' ?),&4^)'=,)8*'
4 ' 4&*6' 45&(' 5&;' ,',)' A,9),' &)83,(' 9) :' 45,' (?,'8(,'
=),4,(38 (3'' 5,3,'5&;'*&44,)*6';,' *',;'8(';2,' 1 2)3,' 9'
' 8(5,)84&(1,' (' ,(`'$8(?' 9') ',(1,'&' : (&)15'8(' 75 3,'
5&(;3' 45,6'7,),' (4' *8@,*6'4 ' A,1 :,'',)6';83D28,48(?'4 '
45,' ,&= *84&(' 3 ',),8?(3' 9' 45,'5 23,' 9'))&? (' 24'
45&4'* (?.38?54,;'&(;'1)&946':(&)15' 283'% '=,)1,8'8(?'
7845' 45,'8(348(14' 9'&'=,4489 ??8(?'&44)(,6'45&4' 45,';&6'
:8?54'1 :,'75,('3 :,458(?':8?54'A,':&;,' 9'45,3,'1*&8:3'
5&;'=,)32&;,;' ,(`'8(34,&;' 9'&** 78(?'45,:'4 ';,31,(;'
4 '583'(,=5,7' ,(`' ' 2@,' 9'))&8(,'&11);8(?'4 '45,'
=) =,)' 1 2)3`' 9' 9,2;&*' ;,31,(4' 4 ' A,D2,&45'45,:' 4 '
583'A) 45,)' 5&)*,3'75 ' 58:3,*9' ;68(?'158*;*,33'8(' - '
:&;,' 283'% ' 583' 2(8',)3&*' 5,8) J' 5&4' : (&)15' 5&;'
&*3 '=),=&),;':&44,)3'8(' 4&*6'7845'583'232&*'2*=8(,' 3&?&<
1846'9)'9&18*84&48(?'45,';,31,(4' 9'45,'),(15'&):3'8(4 '45,'
=,(8(32*&'9)'45,'=) 3,12C (' 9'45,'1*&8:3'4523'&1D22P,;'
24' 18)12:34&(1,3' 5&;'=),',(4,;'58:'9) :'=) 9848(?'A6'
45,'1 :A8(&48 (3' 4523'3@8*92**6'=),=&),;' (;'84' 4523'
1&:,'4 '=&33' 45&4' 75,(' 2; '81 ' d' D) ' :&;,' 2='/583'
:8(;'4 '8('84,'45,'),(15'8(4 ' 4&*6'45,'1*&8:&(4' 4 ' '5 :'
5,'&;;),33,;'58:3,*9' 7&3' 5&)*,3' ' 9')&(1,' 283'
% P3' 3 (
5,' 6 24592*' 3 ',),8?(' 45,(' (*6' 47,(46.45),,.6,&)3'
*;'),1,8',;'&(;'&33,(4,;'4 ' 2; '81 P3'=) = 3&*3' 7845' &('
&*&1)846'&(;'>,&*' 9&)' ?),&4,)' 45&(' &(6' 75815' 45,' 4&*8&('
=)8(1,' 5&;' 1&*12*&4,;' (' 2; '81 ' 5&;'8(4,(;,;' &)C;'
,O=,14,;'45&9' &4' 45,'24: 34' 45,'),(15'@8(?'7 2*;'5&',

1 (3,(4,;4 3,(;& 9,7 4) =3 8(4 4&*6 3289818,(44 A, &45)(8(4*8, 38;, 9 45, $8(? 9 &=*,3 &(;4 329* 1, &3 &58(4 45&4 84 7 2*;A, 783,9)58: 4 @,,= (? ;4,):3 7845 583 A) 45,) = 4,(4&4, 9 8*&(24 5&)*,3 75 3,),1,(4 4),&48,3 9 =,&1, 7845 (?*&(; 234)8& &(; =&8(* ,94 58: &4 92** *8A,)46 4 ,(4,) (45,(,7 ,(4,)=)83, =) = 3,;4 .58: J 3,8>,; 7845 &'8;846 (45, 8;,& 9 &(,O=,;848 (4 4&*6 5&)*,3 7&3 ;,' 8;&*8@, 9 45, '&*2&A*, D2&*848,3 9 5,&; &(; 9 45, 7)34 D2&*848,3 9 5,&)4 45&4 5&;3 3=,18&**6 15&)&14,)8>,; 583 =),;,1,33) *8, 7&3 244,)*6 8(1&=&A*, &3 &3 ',<),8?(' L38:=*6 & ',)6 9 *835 7,&@ &(;2(,;21&4,; 6 2(? :&(7845 24 :215 5&):8(58: A24 75 **6 ?8',(2=4 ;,A&215,)6 &(; ;8338=&48 (&3 3215 &6 2(? :&(=*&1,;8(3215 &= 3848 (M :8?54 (&42)&**6 A, ,O=,14,;4 A, 8,)),;, 2)A (8), ;, ,&2H,2 45,523A&(; 9 ((, 45,6 2(? @8(?P3 ,*;,) 3834,) &(;45&4 3&?&18 23 =)8(1,33 5,)3,*9 75 7,),=),446 ',** 45, (*6 3,)8 23 1 2(3,**)38('45,1 2)4 9 5&)*,3 7,),34) (?*6 == 3,;9 4 45,=) H,14,; ,(4,)=)83, 24 4 45,8:&?8(&48 (9 45,6 24592* :(&)15 &(; 9 45,5&8).A)&8(,; 6 2(? (A*,3 &) 2(;58: 45,=) = 3,; ,O=,;848 (=),3,(4,; 843,*9 &3 &3)4 9 158'&*) 23 =*,&32),.H&2(4 (&*&)?, 31&*,8(&1 2(4)6 2(;,)34 ;4 &A 2(;8(,',)6 :&4,)8&* 9),(H 6:,(4 &*&(;4,,:8(?.7845 A,&246 &A2(;&(1, &(; 7,&*45M 75,), 45,7 :,(7,), * ',*6 45,78(,3 ?,(,) 23 &(;45, :,(,O1,**8(? 8(45,=) ;2148 (9 &** 45 3, *202)8,3 75815 45,8:&?8(&48 (9 1 :P4*6 158'&*)6 : 34 1 ',4,; &(; &4 45,3&:, 48:, A6(:,&(3 9):8;< &A*,?2&);8&(3)=) 4,14)3 945,8)) 8?54 4 @,,=&** 45 3, ? ;458(?3 9)45,:3,*',3 F 458(? 7&3 4&*@,; 9 &4 45,),(15 1 2)4 &11);8(?*6 A24 45, 1 2(4*,33 7,&*45 9 45, 4&*8&(=) '8(1,3 L 9 45&4 9&: 23 :A&);6 75,(1,

B,(,3,' 9*,,4'M 758*,' 5&)*,3' (' 583' =&)4' =) :83,;' 4 ' 8- 8
,&',' 47 ' 52(;),;'),(15'&(1,3'8(' 348'9)'45,'&33834&(1,'
9' 2; '81 '&(;'4 '1 (9,)' (' 58 8'45,' 2156' 9' i&),(4
' ' ' &3'3 (' &3.' 5,' 35 2*;' 5&', .? 44,(' = 33,338 (
9'84

&44,)3' 5&'8(?' A,,(Q'4523' &))&(?,;' 5&)*,3' 34&)4,;'9) :'
45,' 5j4,&2' 9' (48*3' (,&)' :.3' &(;') ;,' (' 583' 7&6'
4 7&);3' 4&*6'&3' 9&)' &3' 6 (3' 24' 45,),' 45,' =*,&32),3'
&(;' 3,;2148 (3' 9' 45,' 245' ;,4&8(,;' 58:' &:8;' 4 2)(,63'
&(;' 9,348'&*3' &(;' A&**3' 48**.' 5,' 5&;' 3=,(4' &*' 45f'E8844*,'
),&;6' : (,6'5,'5&;' A,,(' &A*,' 4 ' 31)&=,' 4 ?,45,8M'9)'45,'
,O=,;848 (' F ,' 7&3' =) '8;,; (,845,)' 7845' 3,(3,' ( )'
7845' : (,6 G' 3&63' 58*8==,' ;,' :8(,3' F( ) 7845'&(6<
458(?',*3,' (,1,33&)6'9)' 3215' &(' ,24,)=)83P,'M 5,' 7&3' A24'
47,(46.47 ' 6,&)3' *;' &' 9*,;?*8(?'H234' 24' 9' 45,' (,34'M
&(;'45 3,'75 ' 5&;' 45,' ?28;&(1,' 9'58:'7,),' :,(' 9'* 7.'
,34&4,' 75 ' 5&;'(',O=,)8,(1,'8('&(6458(? GJ

5&)*,3' 5 7,',)'8('3 :,' ;,?),,'),1&**,;'4 '),&3 (' A6'
45,'),: (34)&(1,3' 9' 583' 3834,)' ((,' &4' *&34' 4),'58:3,*9'
&7&6'9) :' 45,' 3,;2148 (3' 9' 6 (3'.&(;' ? 4' (,' 34&?,'
92)45,)' ('583' 7&6'4 7&);3' 4&*6'4 ' 8,((,' 5,(1,';,'
:8(,3'7&3';,3=&415,;'4 '=),=&),'9)'45,'),1,=48 (' 9'583'
) 6&*' :&34,)'' A24'7&3'),1&**,;' A6' :,33,(?,)3' 3,(4' &94,)'
58:' A,9),' 5,' 5&;' ? 4' 9&iJ] &(;' 7&3' 4 *;'45&4' &**' 7&3'
A) @,(' 99'45&4' 5&)*,3' 5&; 3D2&(;,),;'45,' :(,6'&A3 <
*24,*6'(,1,33&)6'9)'45,'H 2)(,6' 45,'4),&32),.15,343' 7,),'
,:=46'&(;'45,),'7,),'(' :,&(39)'45,'32==*6' 9'45,' :34'
=),338(?';&8*6'(,,;3

4' *,(?45' 5 7,',)'&' 8*&(,3,'A&(@,)' 7&3'9 2(;'75 '
1 (3,(4,;'4 '&;'&(1,' """"' ;21&43'9)' 75815' 2; '81 '
?&',' 3,12)846'M &(;' (4 (8' &2*8' (,' 9' 45,')815,34'
A&(@,)3' 9' B,(&'*,(4' "" """' ? *;,(' 1) 7(3' 8(;21,;'
A6 583'>,&*' 9)'45,'1&23,' ' ' ' &(;'A6' - """'9)&(13

8(4,),34 9)' 9 2)' : (453'Q (;' 7845' 4583')28(23*6' =2)< 15&3,;'1&35'8('583'1 99,)3' 5&)*,3 3,4 9)45'9) :' 8,((,' a' 45,'##(;' 9' 2?234' - -

24'8('45,' :,&(48:,'45,' 4&*8&('3 ',),8?(3'A,?&('4 'A,' &*&):,;'&4'45,' :,(&18(?' =) 3=,14' 9' 45,'8('&38 (' 75815' 45,8)';833,(38 (3'5&;'A) 2?54'2= ('45,:' ',(' 2; '81 ' 58:3,*9'A,?&('4 ' 5&',' :83?8'8(?3' (7' 75,(' 84' 7&3'4 ' *&4,' &3' 4 ' 45,'),32*43' 9' 45,' 34,=' 5,' 5&;' 4&@,('),32*43' 75815' 84' 7&3' &*),&;6' &==&),(4' 7,),' *8@,*6' 4 ' A,' ',)6' :21A='*&)?,)' &(;' :),'3,)8 23' 45&('5,'5&;'1&*12*&4,;' (

3=,18&**6' 45,' &*&):' &(;' &?84&48 (' 1&23,;' A6' 45,')2< : 2)3' 9' 45,'8:=,(;8(?J'8('&38 (' 7,),'?),&4'8(' *),(1,' 5,'=, =*,' 5&;' A,1 :,' 2(;,)' 45,' ,;81,&('; :8(&48 (' ,33,(48&**6'2(7&)*8@,' **' 45,'8)8*846' 9' 45,'(&48 (' 5&;' A,,(' =)&*6>,;'A6'45,';,&;,(8(?'4 215' 9';,3= 483:' 5,' 1 7&);' 8:&?8(&48 (3' 9' 45,' 5 *8;&6.:&@8(?' *),(48(,3' 7,),' 9)8?54,(,;' A6'4,)))3'45&4' 3,,:' :),' *8@,' 3215' &3' :8?54' 5&','34)81@,('7845'1 (4&?8 23' =&(81'45,',99,:8(&4,' :&(3' 9' 45`' *&4,)' :=8),' &4'45,'48;8(?3' 9' 45,' 1 :8(?' 9' 448*&')&45,)' 45&('&(6458(?' = 338A*,' 8(' 45,' 9894,,(45' 1,(42)6' 5,'(2:A,)3' 9'45,',O=,14,;'8('&;,)3' 7,),'3&8;' 4 ' A,' 8(98(84,' 5,6' 7,),' &33,)4,;' 4 ' A,' 9' ?8?&(481' 34&42),' &(;'5))8A*6' 9,) 18 23' ;83= 3848 (' 5,8)' '&* 2)' 7&3' ;,1*&),;' 4 ' A,' 8('8(18A*,' 5,'=&(81'7&3'3215'45&4' 45,'1848>,(3'&5P,&;6'3&7'8(' 8:&?8(&48 (' 45,8)' 34),,43')2(< (8(?'7845'4)),(43' 9'A* ; J

(;'4583'34&4,' 9' 45,'=2A*81':8(;'7&3',O&3=,)&4,;'4 ' &' 9),(>6' 9'4,))898,;',O184,:,(4' A6' 45,' 8(9*2,(1,' 9' 45&4' ,O4)&);8(&)6':&('45,' : (@' 9' 4' &)@'75 3,'34)&(?,' 98?2),'48112=8,3' &' 9),: 34' =*&1,'8('45,' *),(48(,'5834)6' 9' 45,'(,O4'9,7'6,&)3' 9'&**45,': 4*,6'1) 7;' 9'34) (?*6' 15&)&14,)8>,;' &(;' 12)8 23*6'1 (4)&34,;'98?2),3'75815'45,' 5834)6' 9' 45&4'48:,'35 73' 2 H 4) =8(?'8('A)8**8&(4' A24J&**

4 ‘1 (923,;‘ =5&(4&3:&?)81‘=) 1,338 (‘ &1) 33‘45,‘98,*;‘ 9‘ 5,6‘ :&?81‘?*&33‘ 45&4‘ 9‘45,‘ :8(81&(‘ 9)8&)‘ B8) *&: ‘ &‘ (&) *&‘ * :3‘45,‘*&)?,34‘45) 2?5‘45,‘ :8;34‘ 9‘45,‘ 8(4,)‘,(8(?‘1,(42)8,3‘ (;‘3215‘:&6‘/7,**A,‘45,‘1&3,‘)‘ 75,45,)‘84‘A,‘4‘45,‘5834)8&(‘:&8(*6‘&(O8 23‘4‘,348:&4,‘ 45,‘(&42),‘ 9‘45,‘ :&)@‘ 75815‘45,‘9)8&)‘*,94‘ (‘583‘48:, &(;‘45,‘1&23&48‘,‘‘&*2,‘ 9‘583‘1 (4)8A248 (‘4 7&);3‘45,‘ 35&=8(?‘ 9‘ ,‘,(43‘8(4‘45,‘9):‘75815‘45,6‘&332:,;‘M)‘ 4‘45,‘342;,(4‘ 9‘52:&(‘15&8P&14,)‘75 3,‘8:&?8(&48 (‘83‘ 9)18A*6‘8:=),33,;‘ A6‘45,‘ 34) (?*6‘ :&)@,;‘ *8(,3‘ &(;‘ 35&; 73‘&(;‘45,‘ =8142),3D2,(,33‘ 9‘45,‘ :&(‘ &(;‘45,‘ 4,))8A*,‘8(4,),34‘ &44&1588(?‘4‘583‘2*48:&4,‘9&4,‘M)‘4‘45,‘ =58* 3 =581‘=3615 * ?834‘1 (318 23‘45&4‘8(‘ 4583‘ :8(8< 1&(‘ :(@‘5,‘5&3‘A,(,&45‘583‘31&*=,** (,‘ 9‘45,‘ :34‘ =,)5&=3‘ ‘:34‘),:&)@&A*,‘,O&:=*,‘ (‘),1);‘ 9‘&‘?),&4‘ &(;‘(4‘8?(A*,‘3 2*‘A&*&(18(?‘843,*9‘7845‘&792** ;899812*46‘ (‘45,‘=,)8* 23*6‘2(1,)4&8(‘&(;‘37&68(?‘*8(,‘75815‘;8‘8;,3‘ ‘3,*9.;,1,=48 (‘9) :‘1 (318 23‘8:=342),‘58?5‘=) =5,481‘ 9,)‘2)‘9) :‘* 7‘9&(&48183:‘45,‘(A*,34‘>,&** 9‘45,‘=58*&(< 45) =834‘&(;‘=&4)8 4‘9) :‘45,‘3,*9.3,,@8(?‘ &143‘ 9‘45,‘ &:A848 23‘= *84818&(‘&(;‘?,(823‘9) :‘:,(4&** 2(3 2(;(,33‘M)‘*&34*6‘4‘45,‘45, * ?8&(‘3),*6‘=2>>*,;‘4‘&338?(‘4‘4583‘ &A( ):&** &= 34 *81‘:&(‘583‘=) =,)‘=*&1,‘J8(‘45,‘ &(45, (‘ 9‘45,‘ 52)15‘7845 24‘1 (4)&',(8(?‘)2*,3‘ &(;‘=)8(< 18=*,3‘45,‘1 (4)&',(48 (‘4‘05815‘8:=*8,3‘45,‘4 4&** 32A',)< 38 (‘ 9‘583‘318,(1,‘&(;‘58:3,*9M 75,45,)‘84‘A,‘‘3&6‘4‘ &(6‘ (,‘9‘45,3,‘8(D28),)3‘B8) *&:‘ &‘ (&) *&‘34&(;3‘ 24‘ 9) :‘45,‘A&1@?) 2(;‘ 9‘583‘48:,‘ (,‘9‘45,‘:34‘&44)&1< 48‘,‘&(;‘6,4‘:34‘;899812*4‘32AH,143 D9‘342;6‘&(;‘8(4,),34‘ 75815‘45,‘7)*;‘5&3‘3,,(

4P83‘=,)5&=3‘3&68(?‘(458(?‘:),‘ 9‘4583‘34)&(?,‘:&(‘ 45&(‘:&6‘YA,‘3&8;‘ 9‘&**45 3,‘75‘5&‘,‘3,,:,;‘4‘1 (4)8< A24,‘*&)?,*6‘4‘45,‘;8),148 (‘9‘45,‘3 18&** *89,‘&(;‘:8(;‘ 9‘ &‘(&48 (‘8(4‘&‘=&)4812*&)‘1 2)3,‘4‘),:&)@‘45&4‘45,‘&3=,14‘ 9 45,‘48:,3‘ 5,*=,;‘4‘:&@,‘ &‘ (&) *&‘&3‘ :215‘&3‘ 5,

&(;' 45&4' 84' 3, , : , ;' 4 ' 58 : ' &3' 89' F' 3 : ,' 32=,)8)' = 7 ,)' 5,*;' 58 : ' A&1@ GJ' C - -

4' 7&3' (' ; 2A4' 45,' 3& : ,' 32=,)8)' = 7 ,)' 75815' ;2)8(?' 45,' 3& : ,' =,)8 ;' 7&3' &*3 ' @, ,=8(?' 4&1@' 9,&45,).5,&; , ;' $8(?' 5&)*,3' 9) :' 1 :8(?' 4 ' &' 98(&*' ; ,1838 (' &3' 4 ' 8('&;8(?')' (4' 8('&;8(?' 4&*6 ' 24' 5&)*,3' ; ,31,(; , ;' 9) :' 45,' *=3' &(;' ,(4,), ;' :B(' ; 2A4' &3' J4 ' 45,' F' 4 ' A,' G')' F' (4' 4 ' A,' G' 7&3' &4' &(' , (; ' 48**' 3 :,' ;&63' 7 2*;' A,' (, , ; , ;' 9)' 4583' 8(4,**8< ?, (1,' 4 '),&15' 45,' A,34' &(;' ,&)*8,34' 8(9) : , ;' =,)3 (3' &4' *), (1,M' &(;' 84' 7&3' (4' 48**' 45,' ' 45&4' 45,' =) =5,4' *,94' 45,' 3&9,' ?) 2(;' 9' ?, (,)&*' ,O5)4&48 (' 9)' I45,' 8(A),' 45)8**8(?' 7)@' 9' =&)4812*&)' ; , (2(18&48 (5&4' # 34' 9' ,=4, : A,)' 7&3' &3' 8?( )' 8**&)8' 3&63' &' : , :)&A*,' (,' 8(' *), (1,' A 45' 9)' &' (&) *&' &(;' 583' &2 ;8, (1, ' 5,' '&34' 3=&1,3' 9' 45,' 2 : ' 7 ,),' :),' 1* 3,*6.' 98**, ;' , ', (' 45&(' 232&*' 5,' &(O8,46' 4 ' 5,&)' 45,' =),&15,)' 7&3' 3215' 45&4Y45,' 1848>, (3' 45) (?, ;' 45,' A2 ; ;8(?' 9)' 5 2)3' A,9),' &' (&) *&' 7&3' 4 ' &31, (;' 45,' =2*=84 ' F' 4' *&34' 45,')&4)' &==,&), ; ' 5,' 38*, (1,' &(;' &44, (48 (' 9' 45,' '&34' 1 (?), ?&48 (' 7 ,),' :),' : &)@, ;' 45&(' 232&*' &' (&) *&' : ,&32), ;' 583' &2 ;84)6' 7845' &' 1&*:' ?&>, M' &(;' 45, (' 75, (' 5,' 5&;' : &)@, ;' 45,' 2(7 (4, ;' 4), =8; &48 (' 75815' =), '&8*, ;' 45) 2?5 24' 45,' 1) 7 ; ' 5,' 32 ; ; , (*6 ' 7845' &' 4,))8A*,' ' 81 ' 1)8, ;' &* 2 ; ' F' ' ' ' ! ' ' ' !" ' ' ' " 'P 5&4' ' 81,' 7&3' &3' &' 452(; ,).1*&=' A82.348(?' 8(' 45,' 152)15' 5,' 7) ;3' &==,&), ;' 4 ' =24' &' 34)&(?,' 4,)))' 8(4 ' 45,' 5,&)43' 9', ',)6' (,' 8(' 45,' A28*;8(?' 81 ' ; ,**&' 8)&(.' ; *&' 75 ' 7&3' =), 3, (4' 3&8;' &94,)7&) ; 3' 45&4' &' 352 ; ; ,)')&(' 45) 2?5' &**' 583' 9)&: , ' &(;' 45&4' 583' 5&8)' 34 ;' (' , (;' &3' 5,' *834, (, ;M' &(;' &' (&) *&' 5&3'), 1) ; , ;' 45&4' 5,' 7&3. (' 45&4' ;&6' (' *,33' : ' , ; .45&(' 583' &2 ;8, (1, ' f ' ' 5,' :8(; 3' 9' & ' 7 ,),' 3 ' 75 **6' 2(; ,)' 45,' ; :8(8 (' 9' 4,)))' 45&4' 45,6

[# ' ' ' ' '

' &*),&;6' 3&7' 8(' 8 : &?8(&48 (' 45,' 1846' ; ,*2?, ;' 7845' ; '
45D8)' 4,)))' 45,' 1) 7 ;' 45) (?, ; ' &3' 84' 7 ,), ' 4 ' ; , : &(;'
=) 4,148 (' 9) : ' &' (&) *&' **' 583' =) =5,481' 7); 3' 5&;'
5845,)4 ' 1 : ,' 4)2, ' 5,' =)8(1,3' 75 3,' ; ,&45' 5,' 5&;' 9),<
4 *;' 5&;' &**' 45), , ' ; ,J31,(; , ;' 4 ' 45,' 4 : A' 5,' &',(?8(3 '
37);' 9' 45,');' 7&3' &*),&;6' &4' 45,' ?&4, ' 5,' 31 : P?,3'
&((2(1, ;' 7,),' &4' 5&(; ' ,' (*6' 75 ' 5&;.' 9),4 *;'
45,3,' 7 ,3 ' 5,' 75 ' 5&;' 3, ,(' 45, : ' 1 : 8(? 758*,' 6,4' &9&)'
99' 5,' &* (,' : 234' A,' 32== 3, ;' 4 ' @(7' 45,'), : , ;6' 9)' 3 '
?8,&4' : 839)42(,3 ' 4' 7&3' 4523' 45&4' 45,' =),&15,)P3' (&: ,'
7&3' (83, ;' &A) &;' 45) 2?5 24' 4&*6M 45&4' &**' ,6,3' 7,),'
42)(, ;' 4 ' 58 : ' &(;' 45&4 ' A6' 45,' 8(, '84&A*,' 9)1,' 9' 18)12 : <
34&(1,3 ' 5,' A,1& : ,' &' = *84818&(' **' 45,' =, =*,' 5&;'),1 2)3,'
4 ' 58 : ' 5,' &A*,34' : ,(' 8(' 45,' 1846' 3 2?54' 583' 1 2(3,*M
&(;' 4523' 45,' =&)46' 75815' 32==)4, ;' 58 : ' A,1& : , ' &3' A6' &'
34) @,' 9' : &?81 ' : &34,)3' 9' 45,' 1846 GJ

4' : 234' A,' A)(,' 8(' : 8(;' 45&4' &' (&) *&' 758*,' &' &8*8(?'
58 : 3,*9' 4 ' 45,' 24 : 34' 9' 45,' =&(81' 8(' 45,' =2A*81' : 8(; ' 9)'
45,' =2)= 3,P 9' 42)(8(?' 45,' = =2*&)' 9, ,*8(?' 8(' 45,' ;88M,148 ('
5,' 7835,;' 84' 4 ' 9 ** 7 ' &(;' 758*,' ,(*&)?8(?' (' '45,' 7 ,3'
75815' 45,' F' 9*&?,**2 : ' ,8' G' 7&3' &A 24' 4 ' A)8(?' (' 4&*6 '
A6' (' : ,&(3' ; ,=),1&4, ;' 45,' 8('&38 (' 75815' 7&3' 4 ' A,' 45,'
: ,&(3' 9' ,O,1248(?' B ;P3')8?54, 23' H2;? : ,(43' &(;' =2)?8(?'
**&*6' 9) :' 5,)' &A : 8(&48 (3' ('J45,' 1 (4)&)6' 5,' 7,*<
1 : , ;' &(;' ; ,38), ;' 45,' 1 : 8(?' 9' 45,'),(15' @8(?' 0 &3'
45,),' (4' &(' &)@' 9'),92?,' =) '8; , ;' 9)' 45 3,' 75 ' 7 2*;'
=) 984' A6 583' 8('84&48 (' 4 ' ,(4,)' 84b' 5&4' 83' 4 ' 3&6 ' 45,'
),(15' 31 2)?,' 9' B ;' 7&3' 4 ' 9&**' 7845' &',(?8(?.' &(;'
,O4,) : 8(&48(?' 92)6' (' 45,' ,(, : 8,3' &(;' = *8481&**' &; ',)3&)8,3'
9' 45,' : 8(81&('),9) : ,)' (' 232)=8(?' 46)&(4' =)8(1,3 '
&(;' 45,8)' &; 5,),(43' M (' &' 38 : (8&1&**' &(;' 31&(;&* 23' =,'
&(;' &' 45) 2?5*6' 1))2=4' 152)15' 24' 8(' 45&4' F ;8,3'
8)3, G' 75815' 7&3' &A 24' 4 ' ;&7(' (' 4&*6 ' 45,');' 7 2*;'
@(7' 583' 7(

' ' #

k' =, (8(32*& J' ,' 7) 4,' &' ',)6' 1 (18*8&4)6' *,44,)' 4 ' 2; .' '81 ' 6581*8' =) ;21, ;' &' ?),&4' ,99,14' (' 45&4' = *8481' =)8(1, ' &(;' F' *, ;' 58: G' &3' B28118&);8(8' 3&63' F' 4 ' 7835' 9)' 45,' =&18981&48 (' 9' 4&*6' &(;' 9)' 45,' = 338A8*846' 9' ;8',)48(? I4583' 9&(16' 9' 45,' 4,(15 L &' ' ' ' ( ) #*' 24' 45,' =, ' 75 ' &*3 ' A,?&(' 4 ' 1 (1,8',' &*&) :' &4' 45,' =) 3=,14' 9' &'),(15' 8('&38 (' &(;' 9,&),;' F' 45&4' I45,' 9* ;' 9' 9),8?(,)3' :8?54')83,' 4 ' 58?5' 8(' 4&*6 G' 9' &(8: &4,;' A6' &' 38: 8*&)' 9,,*8(?' 45&4' 2(;,)' 45,3,' 18)12: 34&(1,3' 84' A,5 ',;' 45,' = 7,)3' 9' 4&*6' 4 ' ;)&7' 4 ?,45,)' :&;,' 2=' 583' ;899,)<,(1,3' 7845' *9 (3 ' &4' &=*,3' &(;' 8,4) ' &4' *),(1,' M j(;' A6' 4583' ',)6' &14' =),18=84&4,;' 45,' :8315 8,9' 5,' 3 2?54' 4 ' &' 8;')' 3 ' 3),' &(;' 3*,,=*,33*6' '8?8*&(4' 7,),' 45,' H,&* 236' &(;' :242&*' 323=818 (' 9' &*' 45,3,' 3 ',),8?(3' 45&4' 45,' :,),' 9&14' 9' 4583'),1 (18*8&48 ('A,47,,('45,' =,' &(;' &=*,3' &(;' *),(1,' 329981,;Y' 3 ' 4 ' &*&) :' 2; '81 ' &3' 4 ' 31&44,)' 4 ' 45,' 78(;3' &*' 583' A,44,)' 45 2?543' &(;' .),3 *248 (3' &(;' 4 ' 1 (<'8(1,' 58:' 98(&**6' 45&4' 583' 7 (' 3,12)846' 1 2*;' A,' =2)15&3,;' (*6' A645,')28(' 9' 45 3,' =)8(1,3' 5,' ;8,' 7&3' 45C,9),' 98(&**6' 1&34' M &(;' 2; '81 ' 3,4' 58: 3,*9' 4 ' 1 . =,)&4,' 7845' 45,'),(15' 4 ' 45,' 24: 34' 9' 583' = 7,)

I 4&)48(?' &4' *&34' 9) :' 8,((,' 5&)*,3' &8P)8',;' (' 45,' 45' 9' ,=4, :A,)' &4' 2)8('),:&8(,;' 45,),' (*6' &.9,7' 5 293' &(;' (' 45,' 458);' ;&6' &94,)7&);3'),&15,;' 348' 5,),' 3,;2148 (3' 9' 45,' 3&:,' @8(;' &3' 45 3,' 75815' 32)) 2(;,;' 58:' &4' 6 (3' (1,' :)' ,O,)183,;' 45,8)' 8(9*2,(1,' ',)' 58:' ;8',)4,;' 583' &44,(48 (' 9) :' 45,' :),' 3,)8 23' AH,143' 9' 583

"' #4=) ,.94' 36536=6.1=' 1<6=6' :43:*) =18.:6=' +63;' 94%%636.12;' m 4=1,436' 96=' 38.n84=' +,2' D+' 5' W I' 6' 4) 8>4.6=' 1<81' 1<6' :,.:42481,3;' +46G=' =5,H6.',%' 4.' 1<6' 16D1' G636' 81134E*18E26' 1,' 1<6' ,29' 8.9' 53*96.1' L4.>' 6394.8.9' ,.2;' ' 8.9' 1<81' 1<6' %463;' 2%,.=,' G8=' 8 ' 82,.>' 68>63' %,3' G83' G41<' 38.:6' 8.9' 428.' *1' #4=),.94' <89' .6+63' <89' 8.' ,55,31*.41;',%' =664.>' 1<6' 36:6.12;' 534.169' #1,348' 4,36.14.8',%' *4::48394.4' G<,)' ' :,.=4963' E;' %83' 1<6' E6=1' 8*1<,341;',.' 1<4=' 5,4.1' 8.9' G<,=6' 8::,*.1' ,%' 1<6') 81163' ' <8+6' %,22,G69' #66' 5636' 4.69416' 94' *4::48394.4' +,2' 444' 5' W W' 1' *4::48394o4'

&(;' 45,8)' &**8,3 ' (' , ' ,)6' 7&6' 45,' =) 3=,14P 9' &99&8)3' 7&3'
;83D28,48(?' ,(2?5' 9)' 2; '81 ' *),&;6' 45,'),(15'
1 2)48,)3' A,?&('4 '3&6' D284,'* 2;*6' ,(2?5' 9)' 45,8)' 5 343'
4 ' ',)5,&)' 45, : '45&4' 4583' 9&8)' &(;')815' ;2156' 9' 8*&('
75815' 45,6' 7,),' 4)&',)38(?' 5&;' A,,(' 45,' 5,)84&?,J' 9'
&*,(48(,' 831 (48' 45,' ?)&(; : 45,)' 9' 45,' 2@,' 9'
)*,&(3' &(;' 5&;' A,,(' 2(H234*6' 4&@,(' 9) : ' 5,)' A6' 45,'
9)>&3 J' 5,6') ;,' 9) : ' 1846' 4 ' 1846' 1 ',48(?',',)675,),'
&' 7,&*45' 9' *2O : 6' &(;' 18'8*8>&48 (' 8(' 1 : =&)83 (' 7845'
75815' 45,8)' 7(' 5 : ,3' 3,, : ,;' =)' &(;' A&)A&) 23'M &(;'
(' &))8'8(?' &4' &'8&' (' 45,' -45' 9' 14 A,)' 45,6' ;,<
: &(; ,;' 45&4' 45,' $8(?' &(;' 583' 3284,'35 2*;' A,'* ;?, ;'8('
45,' 184&; ,*

5,' 4&*8&(3' 5&;' *8 ' : ,&(3' 9'),38348(?' &' ; , : &(;' 3 '
99,(38',*6' ;814&4, ;' A6' 2(;83?283, ;' : 834)234 ' 24' 45,),'
7&3' &*),&;6' &'4,(&(4'8(5&A848(?' 45,' 184&; ,* 9' &'8&' 75 : '
2; '81 '7 2*;' 9&8('5&','@,=4' 24' 9'45,'7&6' 9'45,'),(15'
$8(?'89' 5,' 1 2*;' 5&',' ; (,' 3 ' 583' 7&3' 45,' 2(5&==6'
B8 '&((8' B&*,&>> ' 583' ?)&(;.(,=5,7 ' 75 3,' 3 ',),8?(46'
5, 7&3' 232)=8(?' 583' 2(*21@6' =)8(1,' &(;' 5&)*,3' '
7,),'98)34' 1 238(3' 45,' 3 (3' 9' 47 ' 3834,)3' 9' 45,' 5 23,' 9'
&' 6' 9' 1 2)3,' 84' 7&3' 8 : = 338A*,' 4 ' =),',(4' 45,' 47 '
6 2(?' 1 238(3' 98= : ' : ,,48(?' (;' 8(; , ,;' 45,' 8(4,)'8,7'
: 8?54' 5&',' 3,, : ,;' 4 ' 3,)',' &3' =*,&;8(?' 2; '81 P3' &= * ?6'
9)' @, ,=8(?' 583' 2(9)42(&4,' (,=5,7'9' 8(' &' 34&4,' 9' 424,*&?,
)' 5,' 7&3' &3' 83 : (;8' 4,**3' 23' (' 45,' &245)846' 9'
58*8==,' ;,' : 8(,3' F &*: 34' ;,' 8;' 9' 1 : : (' 3,(3,'
7)(.' 24' A6' ;,A&215,)6' &(;' 3299,)8(?' 9) : ' 3* 7' ;83,&3,'
=,)5&=3' 1&23,;' A6' = 83 (G' 24' .*658*,' 45,' 47 ' 1 238(3'
7,),' 4 ?,45,)' 8(' 45,' =),3,(1,' 9' 2; '81 ' 45,8)' : ,),'
: &44,). 9.9) : ' 1 (',)3&48 (' 7&3' 8(4,))2=4,;.A6' 45,' 32;;,('
,(4)&(1,' 9' 3&A,**&' 45,' 8 : A,18*,' =)8(1,P3' ,(,)?,481' 789,'
75 ' 45),7' 5,)3,*9' &4' 45,'),(15' : (&)15P3' 9,,4' &(;' 8 : .

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=*),;' 583' 9&' 2)&A*,' 1 (38;,)&48 (' 9)' 5,)' 9&45,)' &(;' 5,)' A) 45H3) L 45,' $8(?' &(;' 5,8).&==&),(4' 9' &=*,3' 75 3,' ;83= 33,338 (' 7&3'45,'&' 7,;' AH,14' 9'45,'),(15'8('&38 (' 5&)*,3' &(37,),;' 5,)'45&4' F'45&4' 1 2*;' 5&);*6'A,'M &(;'45&4' 35,' 5&;' A,44,)'),&3 (' 4 ' 32==*81&4,' 9)' 5,)' 52C&(;' &(;' 5,)3,*9' 75 ' 7&3' 348**' &' 6 2(?' &(;' A,&24892*' 7 :&(GJL &'),:&)@' 75815' 1 2*;' 5 4' 5&',' A,,(' ',86'),&332)8(?')' &?),,&A*,'4 ' 583' &**6' 2; '81 ' 75 ' 7&3'* @8(?' (' &4' 4583'),:&)@&A*,'31^(,

5,'),(15' 1 2)4' =) 1,,;,;' 4 ' 8&1,(>&M' 75845,)' 45,6' 7,),'&11 :=&(8,;'A6' 2; '81 '&(;' 758*,'45,6'7,),'),348(?' 45,),' &' 35)4' 48:,'&' :,33&?,' 9) :' &'8&'),&15,;' 45,:' &((2(18(?'45,';,&45' 9'B8 '&((8'B&*,&>> ' ('),1,8'8(?' 4583 (,73' 2; '81 '&4' (1,'*,94' 583'?2,343'&(;'5&34,(,;'4 ' 8*&(' 75,),'5,'5&;'(';899812*46'8(' 1&238(?' 58:3,*9' 4 'A,' =) 1*&8:,;' 2@,'4 '45,',O1*238 (' 9'&(' 8(9&(4'3 (' *,94'A6' 583' (,=5,7 ' 4' 7&3' &' :&44,)' 9' 1 2)3,' 45&4' 2; '81 ' 35 2*;'A,' 323=,14,;' 9' 5&'8(?'=24'&(',(;'4 '45,' 7),415,;' 6 2(?':&(P3'*89,' (;'84' :&6'7,**'A,'45&4'75&4'5&;'=&33,;' &4' &'8&' 5&;' &*&):,;' 58:' 3299818,(4*6'4 ' 8(;21,' 58:' 4 ' 1 ::84'&'1)8:,' 75815'7,'5&','',')6')8?54'4 ' 3&6'5,'7 2*;' (4'5&','31)2=*,;'4 ' 1 ::84'89'5,'H2;?,;'45&4'34&4,'= *816'),(;,),;'84',O=,;8,(4' ('45,' 45,)'5&(;' 45,),'7&3'1&23,' ,(2?5'8(' 45,' 1 2)3,' 9' (&42),'4 ' &11 2(4' 9)' 45,' =),< :&42),' ;,&45' 9' B8 '&((8' B&*,&>> ' (' &(6' 1&3,' 45,' 5&4),;' &(;' :834)234' 9'45,8)'&**6' 2; '81 ' ('45,'=&)4' 9' 45,'),(15' A) @,' 24' 7845' 9),35' '8 *,(1,' (' 4583' (,73' &(;' &3' 83: (;8'3&63'D2 48(?'45,'15) (81*,)3' 9'45,'48:,' F'45 2?5' 45,6'1 (48(2,;'45,8)' :&)15' &1) 33' 583' 34&4,3' &3' &**8,3'&(;' 45 2?5' &**' 583' 9)4),33,3' 7,),' 45) 7(' =,(' 4 ' 45,:' &3' 4 ' 9)8,(;3' 45,' ?),&4,)' (2:A,)' 9' 45,:' 1&))8,;' 7845' 45,:' 8(' 45,8)' 5,&)43' 45,' ;,4,):8(&48 (' 4 '=2(835' 58:' (' 45,8)'),42)(GY

,' :84, '*8A''88 M' 83: (;8'' 8'O''=' !N

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5&8P,3*,94 8&1,(>& (' 45,' #);' 9 14 A,)' &(;' 45&4 ,',(8(?'),&15,;' 45,' *844*,' =,(28(,' 4 7(' 9 2P,(>2 *&' 83 5&*48(?' =*&1,3 &94,)' 45&4 7,),')? ' &(' ((8(')(',' &(' ,),(>8 ' ,)1,**8' &(;' *&34*6 (4),: *8' &' *844*,' 4 7(' (' 45,' 7,34,)(' 3* =,' 9 45,' =,((8(,' &(;' 45,' *&34 =*&1,' 7845 8(' 45,' 4,))84)6 9 8*&(' (;' 4523 7&3 &11 : =*835,;' F &(',',(4G' 7 5815' &3 B8AA (' 3&63' 15&(?,;' 45,' 9&1,' 9 2) =,

,

#165=' 18H6.' E;' 2%,.=,',%' %8526='%,3'1<6'96%6.:6',%'<4='H4.>9,) 6'=6.9='8'%2661'1,' 6.,8 <6' 36.:<'G83.69'E;'1<6' 394.82'96228' ,+636'836'1<636'E6%,36'<4) !*H6',%' 3268.='81' 6.,8 855822, 81126'1<636'E61G66.'1<6' 685,2418.='8.9'1<6' 36.:< L,*1',%'1<6' 18248.= ',334E26'813,:4146='56356138169'E;'1<6' 36.:< !4=<,.6=1'36536=6.18B14,.',%'8' 36.:<'<4=1,348. %46:1',%'1<4='E81126'1<3,*><,*1' 182; '6.6382'8283)'4.' 182;)6.='8.9'5,316.1='%' :,)4.>'13,*E26'*4::48394.4',.'1<4='=*EI6:1 36.:<'8)E8==89,3='81'+834,*='18248.':,*31= 6:6514,.',%'1<6) E;'1<6' ,56 E;'1<6' O6.6148.= E;'2,36.:6 6624.>',%' 2,36.:6',.'1<6'=*EI6:1'94%%636.1'%3,)'1<81',%'1<6'694:4 36:834,*='5,=414,.',%' 4613,'96@ 694:4 .=G63',%' 2,36.:6'1,'1<6' 36.:<'8)E8==89,3= <8326='E8.4=<6='%3,)' 38.:6'1<6'=63+8.1='%'1<6' 694:4'E*1'.,1',1<63' 2,36.14.6= 9+8.:6',%'1<6' 36.:<'83);'1<3,*><'1<6' *.4>48.8 3*62146='56356138169'E;'1<6)'81' 4+4778., '<6' 8>38 8=42;'96%6.=4E26'24.6'8%4E3969'E;'1<81'34+63 '<6 36.:<'E6=46>6' #8378.8 3681'8283)'81' 2,36.:6 .:368=4.>'*.5,5*28341;',%' 4613,'96@ 694:4 4='58.4:'1633,3 6'%,3)='8'=*996.'36=,2*14,.'1,'>,'1,'1<6' 36.:<'H4.>'81'#8378.8 4='8334+82'81'1<6' 36.:<':8)5' !8=18392;':,.9*:1'1<636 36.:<'83);')83:<',.'1,' 4=8 4613,'361*3.='1,' 2,36.:6 .94>.814,.'4.'1<6':41; 6:6514,.'1<636',%' 4613,' <6'1,:=4.'E622'3*.> 116)51',%' 4613,'1,'5*1'9,G.'1<6' 94=:,.16.1',%'1<6':41;'E;'%,3:6 4913,'36%*=69'89)4118.:6'1,'1<6' ' -! ' 6'268+6='1<6':41;'8.9'%246='1,' ,2,>.8 084.'8116)51',%'<4='E3,1<63'4,+8..4'1<6' 8394.82'1,'=16)'1<6'1496 6'4=',E24>69'1,'%,22,G'<4='E3,1<63 6=:856='4.'1<6'94=>*4=6',%'8'%3483 4*248.,'1<6'1<439'E3,1<63'82=,'268+6='1<6':41;

'45,':,&(758*,M' *9 (3 '45,'(,7'$8(?' 9' &=*,3'5&;'(4'A,,(',:833'8(';8(?'75&4'5,'1 2*;'9)'45,';,9,(1,' 9'583'@8(?;:' ,'3,(4'&('&):6'8(4' :&?(&'2(;,)'45,'1::&(;' 9'583'3 (' ,);8(&(;' 2@,' 9' &*&A)8&'4' == 3,'45,.'=) ?),33' 9'45,'8('&;,)3'8(' 1&3,'45,6'35 2*;'3,*,14'45&4') 24,'4 7&);3'3 245,)(' 4&*6' (;' 5,'5&;'3,12),;'45,'&**8&(1,'&(;'1.=,)&48 (' 9'&**'45,'3:&**

8(; ,=, (; , (4‘ =)8(1,3‘ 9‘ 45,‘ : &?(*,‘ 1848,3‘ 8(1*2 ; 8(?‘ * ?(&‘ 4 7&) ; 3‘ A4&8(8(?‘ 45,‘ 3& : ,‘ AH,14‘ 4‘ 45,‘ 3& : ,‘ 48 : ,‘ 5,‘ 1 (1,)4, ;‘ &‘ =*&(‘ 9‘ =,)&48 (3‘ 7845‘ 45,‘ B, (,3,‘ F‘ 92)231848 G‘ 7845‘ &‘ '8, 7‘ 4 ‘), ' *248 (8>8(?‘ 45&4‘ 8 : < =)4&(4*6‘ 3842&4, ;‘ 1846 ‘ &(;‘ 4523‘ 1* 38(?‘ &?&8(34‘ 45,‘ , (, : 6‘ &(45,)‘ : ,&(3‘ 9‘ &11,33‘ 4 ‘ 45,‘ 3 245‘ 5,3,‘ F‘ 92)231848‘ G‘ 5&;‘ A, , (‘ &3‘ 232&*‘ 45,‘ '8148 : 3‘ 9‘ 45,‘ *&34‘), ' *248 (‘ 8(‘ B, (&H‘ 75, (‘ &94,)‘ &‘ A)8, 9‘ 34)2??*,‘ 9)‘ *8A,)46 ‘ 45,‘ 1846‘ 5&;‘ &?&8(‘ =&33, ;‘ 2(; ,)‘ 45,‘ &A3 *24,‘ ; : 8(8 (‘ 9‘ 45,‘ 5 23,‘ 9‘ 9)>&‘ 24‘ 84.3, , : 3‘ &* : 34‘ 32=,)9*2 23‘ 4 ‘ 3=, 1896‘ 4583‘ 8(‘ 3=, &@8(?‘ 9‘ 45,‘ : , ;8&, '&* 5834)6‘ 9‘ &(6‘ (,‘ 9‘ 45,‘ 4&*8&(‘ 1848,3‘ 9‘ 1 2)3,‘ 45,), ‘ 7 ,),‘ &*7&63‘ F‘ 92)231848‘ G‘ A,* (?8(?‘ 4 ‘ ,&15‘ 9‘ 45,8(‘ &4‘ &(6‘ ?8', (‘ = 8(4‘ 9‘ 843‘ , O834< , (1,‘ ; 2)8(?‘ 45 3,‘ &?,3‘ (;‘ 45,‘ : , (48 (‘ 9‘ 45, : ‘ 83‘ 1 (< 34&(4*6‘ : ,4‘ 7845‘ 8(‘ 45,‘ 5834)8&(3‘ 9‘ 45 3,‘ 48 : ,3‘ 8(‘ 4,) : 3‘ 75815‘ 3, , : ‘ 4 ‘ 8 : =*6‘ 45&4‘ &‘ A&(;‘ 9‘ 45,3,‘ , O8*, 3 L &*7&63‘), &; 6‘ 4 ‘ *, (;‘ 45,8)‘ 5&(;‘ 4 ‘ &(6‘ 315, : ,‘ '5815‘ : 8?54‘ &==, &)‘ 4 ‘ =) : 83,‘ &‘ =) A&A8*846‘ 9‘ 2=3, 448(?‘ 45,‘ , O8348(?‘ ? ',) (: , (4‘ 9‘ 45,8)‘ (&48',‘ 1846 ‘ &(;‘ 4523‘ =, (8(?‘ &‘ =&45‘ 9)‘ 45,8)‘ 7(‘), 42) (LC.7&3 &‘ (&42)&* &(;‘ (,1,33&)6‘ =)48 (‘ 9‘ 45,‘ : 2(818=&*)?&(8>&48 (‘ 9‘ 3 18,46‘ 5,‘ 3634, : ‘ 9‘ 75 *,3&*,‘ =) 31)8=48 (‘ 4523‘), (; ,), ; ‘ , ',)6‘), ' *248 (‘ 45,‘ 2(9&8*8(?‘ =&), (4‘ 9‘ 45,)‘), ' *248 (3‘ 4 ‘ 9 ** 7 ‘ &(;‘ : &; ,‘ 45,‘ 1 (34&(4‘ , O834, (1,‘ 9‘ 45,3,‘ F‘ 9H8)231848‘ G‘ (,‘ 9‘ 45,‘ : 34‘ 8 : =)4&(4‘ 9‘ 45,‘ 1&23,3‘ 45&4‘ 1 (4)8A24, ;‘ 34 ‘ @, , =‘ 2=‘ 45&4‘ =,)=, 42&* 1 (;848 (‘ 9‘ 42)A2*, (1,‘ &(;‘ 15&(?, 92*(, 33‘ 75815‘ 3 ‘ : &)@, ; *6‘ 15&)&14,)83, ;‘ 4&*8&(‘ : , ;8 : '&* 5834)6 *9 (3 P3‘ 98)34‘ 1&), ‘ 45,), 9), ‘ 7&3‘ 4 ‘ &))&(?,‘ &‘ =*&(‘ 9‘ =,)&48 (3‘ 7845‘ 45,‘ B, (,3,‘ F‘ 92)231848M G‘ &(; ‘ 5&'8(?‘ &11 : =*835, ;‘ 4583‘ 7845 24‘ &(6‘ ; 899812*46 ‘ &3‘ 232&*‘ 5,‘ 3, (4‘ &3‘ = 7,)92* &‘ 9*, , 4‘ &3‘ 5,‘ 1 2*;‘ ?, 4‘ 4 ?, 45,)‘ 8(4 ‘ 45,‘ 7&4,)3‘ 9‘ B, (&‘ 5,‘ =*&(‘ 7&3‘ 7, **‘ 8 : &?8(, ; ‘ &(;‘ 45,‘ $8(?‘ 9‘ &=*, 3‘ : 8?54‘ 8(‘ &**‘ =) A&A8*846‘ 5&',‘ 3211, , ; , ;‘ 8(‘ ?, 448(?‘ = 33, 338 (‘ 9‘ B, (& L 9)‘ 45,‘ =) 31)8A, ;‘ =&)46‘ 75 ‘ 7,),‘ == 3, ;‘ 4 ‘ 45,‘ 3 ',), 8?(46‘ 9‘ 8*&(‘ 7&3‘ *&)?,‘ &(;‘ 8(.

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9*2,(48&* L89' (*6' 45,' ,O,1248 (' 9' 45,' =) H,14' 5&;' 9 *< * 7,;'&4' (1,' ('45,'1 (1,=48 (' 9'84' 24' *9 (3 '75 ' 5&;' &4'45,'*&34' : :,(4',(;,&' 2),;'&3'5&3'A,,('3,,('4 ' 1 (18*8&4,' 2; '81 ' 5&;'A,,('@,=4'8('323=,(3,'&(;' ; 2A4' A6'45&4'1)&946'=)8(1,'48 '45,')8?54' : :,(4'9)' &'3211,3392*' &44,:=4' &4' 3,8>8(?' B,(&' 5&;' =&33,;'&7&6' 0 5,('45,' ,&= *84&('9*,,4'),&15,;' 45,' &6' 9' B,(&'),;,)81'45,' A) 45,)' 9'@8(?' *9 (3 '4 '75 :'45,'1 : :&(;' 9'84' 5&;' A,,(' ,(4)234,;'9 2(;'45&4'45,'),(15' 5&;' A,,(' A,9),< 5&(;'7845'58:' B82*8&(' ;,**&' ',),' &);8(&*' 9' &(' 8,4)' 8(' 8(1 *8' 75 ' &94,)7&);3' &3' =,' E2*823' ' 34) ',' 3 ' ',5,:,(4*6'4 ' *8A,)&4,' 4&*6'9) :' 45,' =),3,(1,' 9' 45,' 34)&(?,)' &(;'4523' 4 ' 2(; ' 45,'1 (3,D2,(1,3' 9' 75&4' 5,' 7&3' (7' ; 8(?' 5&;'),',&*,;' 4 ' 45,'),(15' *9 (3 P3' =*&(' 9' =,)&48 (3' &?&8(34' B,(&' 583' &);8< (&*' ;,**&' ',),' 75 '5&;' == 3,;' 4 ' 45,'24: 34' 9'583' = 7,)'45,',*,148 (' 9' 45,'8(9&: 23')?8&'4 '45,'45) (,' 9' 4 ' ,4,)' &(;'75 ' 7&3'45&4' =,P3'8:=*&1&A*,',(,:6' 5&;' 9*,;' 9) :' : ,' &(;'45,'2(31)2=2* 23' ',(?,&(1,' 9'45,' 3211,3392*' *,O&(;,)' &(;'5&;'2(84,;'58:3,*9'4 ' 45,' A&(;' 9' ,&= *84&(',O8*,3'75 ' '8148:3' 9'45,'),1,(4')838(?' 9' 45,' A&) (3' &?&8(34' @8(?' ,);8(&(;' 5&;' A,,(' ,&?,)*6' 34)8'8(?'&4' 6 (3'4 '8(184,' 5&)*,3'4 ' &11,=4' 45,'8('84&48 (' 9' 2; '81 ' &(;' :&)15'4 '45,'1 (D2,34' 9'45,'@8(?; :' 9' &=*,3 J' 83' &);,(4'&(;',(,)?,481'4,:=,)&:,(4'5&;'3,,(' 8('45,'=) 3=,143' =,(,;'A6'45,'=) = 3,;'),(15'8('&38 (' (458(?'*,33' 45&(' &' = 338A8*846' 9' ;)8'8(?'45,')&? (,3,' ;6(&346'9) :' 4&*6'&(;'&4'45,'3&:,'48:,'52)*8(?'9) :'583' 3,&4' 45,' 38: (8&1&*')?8&' ,' 5&;' 9 2(;'45,' :,&(3' 9' A4&8(8(?' 48:,*6'8(9):&48 (L [75&4' 3,1),4' 1&(' 8(' &' &45 *81' 1 2(4)6'A,' 58;;,(' 9) :' &' =)8,34' A,(4' (' ;83< 1 ',)8(?'84'b]L. 9' 45,' : ',:,(43' &?&8(34' B,(&'=) H,14,;' A6' *9 (3 '&(;'5&;'8(;21,;'45,'),(15' @8(?'4 ' ;83=&415

45845,)'45,' 2@,' 9')*,&(3' 7845'&'= 7,)92*'9*,,4' ('A &);'
9' 75815' 7,),' =*&1,;' """"' 7833' :,)1,(&)8,3 J' Y05,('
),;,)81' &))8',;' 45,),9),' 7845' 583' 358=3' A,9),' B,(&'
5,' 9 2(;' 45&4' 84' 7&3' 8:= 338A*,' 4 ' &44,:=4' &(6458(?'
&?&8(34' 45&4' 1846' (O8 23'5 7,',)'4 ';'3 :,458(?'4 <
7&);3' 45,' ,(;' 8(' '8,7' 7845' 45,' 9)1,' &4' 583' ;83= 3&*'
5,'&44,:=4,;'A24'9&8*,;'8('&('&44&1@' (')4 ' ,(,),M &(;'
45,('&94,)'5&'8(?'),9844,;'&4' ,?5)5'),42)(,;'( )457&);3'
&(;';83,:A&)@,;' """"' :,('2(;,)'45,'1 ::&(;' 9' 3 :,'
9' 45,' B,(,3,' ,O8*,3' &4' &==&** ' &'*844*,'4 7('8('45,'
B,(,3,' 4,))84)6' &A 24' 5&*9.7&6' A,47,,(' B,(&' &(;'
,34)8' 4'83' 3842&4,;'&4'45,'A 44 :' 9' &';,,='&(' :&?(8<
981,(4' A&6'&4' 45,'',)6'9 4' 9'45,' =,((8(,'75815'8('45&4'
=&)4' 9'45,'1 &34' *,&',3' A&),*6'3=&1,' ,(2?5'9)'45,' *844*,'
98358(?' '8**&?,3' 4 ' (815,' 45,:3,*',3' 8(4 ' 45,' 1 ',3' &(;'
5 ** 73' 9'45,' 58**3' 5,' 31,(,)6'&) 2(;'7845' 45,';,,='
A*2,' ,;84,))&(,&(' ('45,' (,'5&(;'&(;'45,')815' *8','&(;'
8*,O 1 ',),;'58**3' ('45,' 45,)'83' 3 :,' 9'45,' : 34'* ',*6'
9'45,',:8(,(4*6'* ',*6';834)814'4)&',)3,;'A6'45,'1,*,A)&4,;'
+ *' 1 &34') &;' 583') &;' 5 7,',)' ;&4,3' (*6'
9) :'45,'48:,' 9'45,'98)34'),(15',:=8),' ('45,';&63'
5,(' ('),;,)81' 9' &=*,3'*&(;,;'583' """"' 4) =3'
45,),' 9)'45,'=) 3,1248 (' 9'45&4' 4&*8&(' 836=523.*&A 2)'
9'A&))8(?Y'45,'=&45'8(4 ' 4&*6' &?&8(34'),(15'8('&;,)3'
&==&** ' &(;'843' 9,** 7.4 7(*,43' &* (?'45,'1 &34' 7,),'
&11,338A*,' (*6'A6'3,&')'A6';899812*4' :2(4&8('A)8;*,.=&453'
',)'45,'=),18=84 23' 5,&;*&(;3' 75815' 3,=&)&4,' 45,:'9) :'
,&15' 45,)' &(;' 3524' 45,:' 24' 9) :' 45,'),34' 9' 45,'
7)*;

,',)45,*,33' 84' 7&3'8:= 338A*,'9 5,' 2@,' 9')*,&(3'
4 ' =) 1,,;' 3 2457&);3' *,&'8(?' 4583' A ;6' 9' ,&= *84&('
4) =3' ,34&A*835,;' (' 45,'1 &34' 8(' 583'),&)M 9)'4 '5&','
; (,'3 '7 2*;'5&','A,,(' ,D28'&*,(4' 4 ' 45,'* 33' 9' B,(&

4 ! ' ,' 45,),9),' 45),7' 583' 45),,' 45 23&(;' 7833' 4) =3' (' 35),' &4' &==&** '9)'45,'=2)= 3,' 9' ;83* ;?8(?' 45,' ,&= < *84&(3' 75 ' 5&;' 5&348*6' ,(4),(15,;' 45,:3,*',3' 758*,' (4 (8 ' &)8&' &(' ,',)8('75 ' 1 : :&(;,;' 9)' 2; < '81 ' &4' B,(&' :&)15,;' &' A ;6' 9' 4&*8&(' :,(.&4.&):3' &* (?' 45,'1 &34' 4 ' 45,' 3&:,' = 8(4' 9)' 45,' =2)= 3,' 9' 1 < =,)&48(?' 7845' 45,' 7833' 5,' ,&= *84&(3' 7,),' 4523' :215' 24.(2:A,),;.M' 24'45,'1 :A&4' 7&3' (,',)45,*,33' &(' A348(&4,' (,' 5,' 3 245,)(,)3' 7,),' 5 7,',)' A,&4,(' 9) :'45,8)'?) 2(;'&(;'9)1,;'4 '9*6'&1) 33'45,'(,8?5A 82P.' 8(?' : 2(4&8(3' (;'4523'7&3'3=8*4'45,'98)34'A* ;'8('45 3,' ;83&34) 23' 7&)3' 9) :'75815'45,'A,?8((8(?' 9' 4&*6P3')28(' &(;';,?)&;&48 (' :&6'A,' ;&4,;

5,'),32*4' 9' 4583' A&44*,' 1&23,;' &' 34) (?' &(;'=&8(92*' 9,,*8(?'45) 2?5 24' 4&*6' 4' 7&3'&'3 :A),'=),3&?,' 9' 45,' ,',(43' 75815' 7,),'4 '9 ** 7' &(;' 3,,:3' 4 ' 5&',') 23,;' 4&*6'4 '&' 3,(3,' 9' 45,'),&* (&42),' &(;' 3,)8 23(,33' 9' 45,' ;&(?,)' 75815'7&3' :,(&18(?'31&)1,*6' :),'&(6' (,'=)48 (' 9' 5,)'3 8* 45&('&(45,)' 3=,18&* 5)))' &(;'8(;8?(&48 (' 7&3'=) ;21,;'8('45,' :8(;3' 9' 45,' 4&*8&(3'A6'45,'9,) 18 23' &(;' &3'45,6';,,:,;' A&)A&) 23' : ;,' 9' 7&)9&),'=)&1483,;' A6'45,'),(15' &(;' 7833' 4) =3' F' 5,'7&)3' 9')&(1,' 5&;'9)' &' * (?'48:,' =&34 G' 3&63' 83: &;8 J' ,'A,,(' :),' A* ;6' 45&('45 3,' 9'' 4&*6' A,1&23,' 45,6' 7"J,' ;,18;,;' :),'A6':,),'&(8:&* 9)1,'45&('A6'45,'4&*,(4' 9'45,'1 :< :&(;,)3' 24' 45,'),(15'&(;'45,' 7833'4)&(3=)4,;'8(4' 4&*6'A,5&',;'8(' &' 9&)' :),' A* ;.458)346' :&((,)' 45&('75,('&4'5 :,' 5,6'3,,:,;'4 'A,1 :,' :),'9,) 18 23'8(' =) =)48 (' &3'45,6'5&;'*,33' 1&23,' 9',(:846'&?&8(34'45 3,' 7845'75 :'45,6'7,),'98?548(?' 'A*8(;'5&4),;'4 @'45,' =*&1,' 9' 45,' :,&32),;')8'&*)6'75815'5&;'&(8:&4,;'45,:'8(' =),'8 23' 1 :A&43' 5,' 7833' :,)1,(&)8,3' 75 ' 5&;' (' 8(4,),34'8('45,' 7&)' 1 (38;,)8(?' 45,' 1&)(&?,'&3'&'=*,&32),

&(;' &' 3=,18,3' 9' 8(4 O81&48 ('@8**,;' 8('45,'98)34'8(34&(1,'&*' '
45,'=)83 (,)3' 75 ' 5&;' 32)),(;,),;' 4 ' 45,:' 45,(' 3,8>8(?'
45 3,'75 ' 5&;'A,,(' 1&=42),;'A6'45,' 4&*8&('4) =3' 9' &('
,',)8(' 45,6' =24'45,:' *8@,783,'4 ' ;,8845' 5,6' =8**&?,;'
&==&** ' 7845 24' :,)16')' ;8348(148 (' 9' =&)46M &(;'45,6'
=235,;' 45,8)' A)24&*' 9,) 1846' 4 ' 45,' ,O1,33' 9' : : ;,)8(?'
98946' =&48,(43' 75 ' 5&;'A,,(' 9)' 3 :,'48:,'=),'8 23*6'8('&'
5 3=84&*' 45,),' 5,' 8(;8?(&48 (' 8(' B,(&' &?&8(34' 45,3,'
124.45) &43' 7&3' ,O48P,:,' =8(,' 47,(46' 9' 45,' 8P,(15'
&(;' 7833' 7,)','@8**,;' 8(' &' = =2*&)')838(?' ('45,8)'),42)('
45845,)' 9) :' &==&** M &(;'84' 7&3' 7845';899812*46'45&4'45,'
,(48),'1846'7&3'=),',(4,;'9) :')838(?'&?&8(34'45,'34)&(?,)3 G
' :),'),1,(4'),(15J' 5834)8&(' =&33,3' ',)' 45,3,' ;83<
?)&1,92*' 9&143' :215' :),' *8?54*6' &(;' D2 48(?' B28118&)<
;8(8'8(38(2&4,3'45&4'45,' 4&*8&(' 241)6' ('45,'),(15'9,) <
1846'&(;' A* ;.458)348(,33' 7&3' 11&38 (,;'A6'45,' 3*&2?54,)'
9' (*6'&'52(;),;' :,(' &(;'7&3' ;2,'4 '45,'&A32);' 5&):<
*,33(,33' 9'45,' 7&)3'4 ' 75815'45,' 4&*8&(3' 7,),'&11234 :,;
24'4583' 83' (4'5 (,34' 4'83'4)2,'45&4.B28118&);8289' 3&63'
45&4' ,' :),'45&('&('52(;),;' :,(' 9'45,' ,&= *84&(3' 7,),'
@8**,;' =&)4*6' 8(' 45,' 98?54' &(;' =&)4*6' 8(' 45,'),4),&4M' &'
3*&2?54,)' 2(; 2A4,;*6'?),&4' &11);8(?' 4 ' 45,' :&((,)' 9'
98?548(?' 75815' &4'45&4' 48:,' =),'&8*,;'8(' 4&*6 G' 24'45,'
8(;8?(&48 (' &(;' 241)6' 9' 45,' 4&*8&(3' 7&3' 11&38 (,;'A6'
45,' :2);,)' 8(' 1 *;' A* ;' 9' 45,' =)83 (,)3' &(;' 9' 45,'
=&48,(43'8(' 5 3=84&*' 75815' B28118&);8(8' ;,3' (4' :,(48 ('
A24'75815' 83: (;8'&(' 5 (,34'&(;'(4'&'),(15'5834)8&('
),*&4,3' (' 45,' &245)846' 9' 1 (4,:=)&)6'7)84,)3' 75 3,'
),1);3' ' &)48('5&;'&*3 ' 2(;,)'583',6,3'&3'83' 35 7('A6'
583' 184&48 (3'9) :'45,:'8(' 45,)'=*&!,3

24' ,',(' A,9),' 45,' 8332,' 9'4583' 8**. :,(,;' A&44*,' &4'
/ &==&** ' 5&;' &*&):,;' &*' 4&*6' &' ?) 78(?' 3,(48:,(4' 9'
2(,&38(,33'&(;' :83?8'8(?'7&3'A,1 :8(?'?,(,)&*45) 2?5 24

'' 6.34' 8314.'+,2'+444'5' W
1' #1,348'9@ 18248'+,2'4'5'W X' 941' 85,28>8

4' .# 45,' =,(8(32*&' F' 4' (*6 G' 3&63' B28118&);8(8' 8(' &'),.' :&)@&A*,' =&33&?, J' 7,**' 7)45' 1848(?' &3' &(' 8**234)&48 (' 9' 45,' 34&4,' 9'9,,*8(?' &(;' : ;,3' 9'458(@8(?' 9'45,'=,)8 ;ML' F' 4' (*6' ;8;' 45,' =),=&)&48 (3' 9)' 8('&38 (' A6'3,&' &(;' A6'*&(;' A24'45,'&?),, : ,(4' 9'45,' 7&)(8(?3' 9'5,&',(' 7845' 45,3,'&143' 9' :&('9),4,**' 4 ' 4&*6'45,'1&*& :848,3' 45&4' 7,),' &A 24'4 '9&**' (' 5,)')'45 3,' 75 '=) 9,33'4 '5&',' ,845,)' A6' :,&(3' 9' 318,(1,')' A6'&' ;8'8(,'8(3=88R&48 (' 45,' @(7< *,;?,' 9' 45,'9242),'&?),,;' 8(' &998) :8(?' 2(&(8: 23*6'45&4' :),'&(;'?),&4,)'15&(?,3'7,),'&4'5&(;'45&('5&;'A,,('3,,(' 9)' :&(6'&?,3'8(' &(6'=&)4' 9'45,'7)*;' (;'45,'4,)))' ' 9' :,(P3' :8(;3' 7&3'8(1),&3,;'A6'45,'),3 (&(1,'45) 2?5 24' 45,'1 2(4)6' 9'),=)43' 9'34)&(?,'=5,(:,(&'(4'&11);8(?' 4 ' 45,' 7 (4,;' 1 2)3,' 9' (&42),')' 9'45,');8(&(1,3' 9') '8;,(1,' (' =2*8&' 45),,' 32(3' 7,),' 3,,(' 8(' 45,' 5,&',(3' ;2)8(?' 45,' (8?54' 32)) 2(;,;' A6' 1* 2;3' &(;' &11 :=&(8,;' A6'4,))8A*,' 34):3' 9'*8?54(8(?'&(;'452(;,)' (' 45,' 4,))84)6' 9'),>> ' 9)'&' 3=&1,' 9' :&(6';&63' 45,),' 7,),'=*&8(*6'3,,(' 4 '=&33'45) 2?5' 45,'&8)'&('8(98(84,' (2:< A,)' 9'&):,;' :,(' ('5)3,3' 9',( ): 23' 38>,'&(;'7845'&' 4),:,(; 23' 1*&(? 2)' 9'4)2:=,4.A*&343' &(;' ;)2:3' (' :&(6'=&)43' 9'4&*6'45,'3&1),;'8:&?,3'&(;'34&42,3'37,&4,;' :&(89,34*6' &(6':(34) 23'A88853' 112)),;'A 45'52:&(' &(;'&: (?'45,'8(9,)8)';,)3' 9'45,'1),&48 (' (;':&(6' 45,)'458(?3' 24' 9'45,'1 2)3,' 9'(&42),'5&==,(,;'8(':&(6' =*&1,3' (;'45,3,'458(?3'1&23,;'&('2(3=,&@&A*,'4,)))'4 ' 98**' 45,' :8(;3' 9'45,'==2*&48 (3' &*),&;6'=),;83=3,;'4 ' &*&):'A6'45,'),=)43' 9'45,'),(15'=7,)'&(;'9,) 1846 G

4'83' 12)8 23'&(;'9&)' 9) :'2(8(34)2148','4 ' 98(;'45,' &124,' 3&?&18 23' =58* 3 =581' &(;' 31,=481&** B28118&);8(8' 7)848(?'4523'7845 24'&(6' 7);')'=5)&3,'4 '8(;81&4,'45&4' 583' 7(' :8(;' 7&3'8(' &(6';,?),,' 32=,)8)' 4 ' 45,' A,*8,9' 75815' 5,' ;,31)8A,3' &3' 5&'8(?' ,O,)183,;' 3 ' 2(8',)3&** &5

8(9*2,(1,‘ (‘ 583‘ 1 (4,:=)&)8,3‘ 4‘ &*‘ ,‘,(43‘ &4‘ 45,‘ 48:,‘ T
75,(‘ B28118&8.;8(‘ 7) 4,‘ 45,‘ =)4,(43‘ 75&4,‘,)‘ :&6‘ 5&‘,‘ WU8
A,,(‘ 45,8)‘ &245,(481846‘ 5&;‘ 35 7(‘ 45,:3,*‘,3‘ 4‘ A,‘ (‘
9&*3,‘)‘ :834&@,(‘=),3&?,3‘ 9‘,‘8*Q 5,‘:839)42(,3‘ 75815‘
7,),‘ 1 :8(?‘ 2= (‘ 4&*6‘ 7,),‘ 4,))8A*,‘ ,(2?5‘ 4‘ 5&‘,‘
H23489*,;‘&(6‘&: 2(4‘ 9‘: (34) 3848,3‘&(;‘&A( ):&*‘1,*,348&*‘
=5,(:,(&‘89‘8(;,,;‘84‘ 83‘8(‘45,‘);,)‘ 9‘ 458(?3‘ 45&4‘ 45,‘
&==) &15‘ 9‘52:&(‘ :83,)6‘5&3‘45,‘= 7,)‘4‘9*8?54‘ (&42),‘
9) :‘45,‘=*&18;‘9 ** 78(?‘ 9‘5,)‘7 (4,;‘7&6
,&(48:,‘9* 1@3‘ 9‘&:A&33&;)3‘5@,‘34):‘=,4),*3‘9*&=<
=8(?‘45,8)‘78(?3‘8(‘2(,&36‘9*8?54‘ (‘45,‘ ,‘,‘ 9‘&‘4,:=,34‘
7,),‘52))68(?‘4‘&(;‘9)‘ (4‘*,33‘ :8(23*6‘)‘*,33‘ ;83<
1);&(4*6‘ (836‘ 5,‘),(15‘1 2)4‘3,(4‘&:A&33&;)3 L‘
58*8==,‘;,‘ :8(,3‘7&3‘ (,‘ 9‘45,: L 4‘45,‘‘&)8 23‘1 2)43‘
9‘ 4&*6‘4‘3 2(;‘45,8)‘8(4,(48 (3‘ =,‘ *,O&(;,)‘=) <
4,34,;‘ &?&8(34‘45,‘&44,:=4‘ 9‘45,‘$8(?‘ 9‘)&(1,‘4‘&33,)4‘
583‘1*&8:‘4‘45,‘45) (,‘ 9‘ &=*,3‘A6‘9)1,‘ 9‘&):3‘ &=*,3‘
5&;‘ &*7&63‘A,,(‘45,‘ *6‘ &45,)‘ ;,1*&),;‘ &‘98,9‘ 9‘45,‘
= 34 *81‘ ,,M &(;‘75,45,)‘45,‘),(15‘1*&8:3‘7,),‘9 2(;,;‘
8(‘H23481,‘)‘(4‘84‘&==,)4&8(,;‘4‘45,‘ (4899‘&* (,‘4‘=) <
(2(1,‘3,(4,(1,‘A,47,,(‘45,‘1*&8:&(43‘ 5,‘=),;,1,33)3‘
9‘45,‘=),3,(4J‘ =,‘5&;‘?)&(4,;‘45,‘8(‘,34842),‘ 9‘45,‘
@8(?; :‘ 9‘ &=*,3‘4‘45,‘ * 23,‘ 9‘)&? (M &(;‘ (458(?‘
A24‘&(‘ = 34 *81‘3,(4,(1,‘1 2*;‘),‘,)3,‘4583‘;,1),,
5,‘ ,(,48&(3‘ 7,),‘ &4F4583‘ 48:,‘ :215‘83 *&4,;‘8(‘45,‘
= *8481&*‘3634,:‘ 9‘ 4&*6‘)‘3 :,‘48:,‘=),‘8 23*6‘4‘45,‘
1) 338(?‘ 9‘45,‘ *=3‘A6‘45,‘),(15‘45,‘ ,(,48&(‘? ‘,)(<
:,(4‘5&;‘4&@,(‘&‘*8(,‘ 9‘843‘ 7(‘&(;‘5,*;‘843,*9‘&* 9‘9) :‘
45,‘&**8&(1,3‘A6‘75815‘45,‘ 45,)‘34&4,3‘5&;‘34)8‘,(‘4 :&8(.‘
4&8(‘45,‘A&*&(1,‘ 9‘= 7,)‘8(‘ 4&*6‘ 9‘45,‘98‘,‘158,9‘34&4,3‘
&: (?‘75815‘45,‘=)8(18=&*‘=&)4‘ 9‘45,‘=,(8(32*&‘7&3‘;8‘8;,;‘
‘8> ‘45,‘ &=&*‘ 4&4,3‘ &=*,3‘ *),(1,‘ 8*&(‘&(;‘ ,(81,‘
45,‘*&44,)‘7&3‘&4‘4583‘48:,‘ :),‘= 7,)92*‘45&(‘&(6‘ (,‘ 9‘
45,‘ 45,)3‘45 2?5‘ ‘,)6‘:215‘*,33‘3‘45&(‘&*‘ 9‘ 45,‘
45,)3‘ =24‘4 ?,45,)‘ 5,‘Z2,,(‘9‘45,‘ ;)8&481‘7&3‘&(

/ ' ' ' ' 0 ' '

!
WUXU AH,14' 9' 7&41592*' 323=818 (' 4 ' &*' 5,)' 3834,)' 34&4,3'M &(;' 45,),'1&(' A,' *844*,' ; 2A4' 45&4' ,(81,' 5&;' 9)' 3 :,' 48:,' =&34' A,,(' ;),&:8(?' 9' 45,' = 338A8*846' 9' :&@8(?' 5,)3,*9' :834),33' 9' &*' 4&*6 J' (;,)' 45,3,' 18)12:34&(1,3' 45,' ,(&4,'H2;?^;'45&4'84' 7&3' ',)6'= 338A*,'45&4'45,' 7&)' 75815' &==,&),;'&A 24'4 '8(' *',' &*' 45,'),34' 9' 4&*6' :8?54'&: (?' 843' :&(6'8(1&*12*&A*,' 1 (3,D2,(1,3' =,(C' '&*2&A*,' ==)< 42(848,3'4 '45,:'M 758*,' (' 45,' 45,)'5&(;'84' 7&3' (4',&36' 4 '3,,' 75&4'45,' 8 (' 9' 4' &)@' 1 2*;'?&8(' A6'4&@8(?' &(' &148',' =&)4' (',845,)'38;,' 9'45,' D2&)),*' ,(81,' 45,),9),' ;,4,):8(,;' 4 '),:&8(' (,24)&*' (;' ^5,' ,(&4,'),=*8,;' 4 '45,'),(15' &:A&33&;)3'45&4'84' 7 2*;' A,'=),32:=48 (' 8(' 45,:'4 '=),4,(;' 4 ' 99,)' 1 2(3,*' 4 ' 3 ' 783,'&':(&)15' &3'45,'=),3,(4'$8(?' 9')&(1,L 45&4'84' 7 2*;' A,' &*7&63' &?),,&A*,' 4 ' 45,' ,(&4,' 4 '5,&)' 9' 583' =) 3=,)846'&(;' 321< 1,33'&3' 7&3' (&42)&*' 9) :'45,'4)&;848 (&*),3=,14'&(;'),?&);' 75815' ,(81,'5&;' &*7&63' 9,*4' 4 7&);3')&(1,ML &(;'45&4' 84' 7&3'45,),9),' ,3=,18&**6'=&8(92*' 4 '45,:'4 'A,' A*8?,;'4 ' 3&6' 45&4' 45,6' 7,),' &A3 *24,*6' 2(&A*,' 4 ' &99);'58:' &(6' &148',' &33834&(1,'8('583'=),3,(4'=*&(3'8(' 1 (3,D2,(1,' 9'45,' ',)6'1 34*6'&):&:,(43'45,6' 7,),' A*8?,;'4 '@,,='1 (34&(4*6' 112=8,;'8(' 7&4158(?'&(;' =) 4,148(?'45,' 24*68(?' =)48 (3' 9'45,' ,(,48&(' 4,))84)6'&?&8(34' 45,' :&158(&48 (3' 9'45,' B)&(;' 2)@'ML 45&4' ',)84&A*,'A ?8,' 9'45,' :8;;*,'&?,3'45,' (,1,33846' 9)' 98?548(?')' =),=&)8(?'4 ' 98?54'&?&8(34'75 :' 7&3' 3 ' 1 (34&(4*6':&;,' &(' ,0123,'A6' 45,' = *84818&(3' 9' 4&*6' 9)';8(?' 75&4'45,6' 7835,;')';,1*8(8(?'4 ' ;' 75&4' ;8;'(4'3284'45,:

) :' *),(1,' 45,'),(15' &:A&33&;)3' &3@,;' (*6' &' 9),,'=&33&?,'&1) 33' 45,' *),(48(,'4,))84)6'9)' 45,'),(15' &):3' 7'45,'?),&4'A2*@' 9'45,'1848>,(3',',(' 9' 45 3,' 75 'A,* (?8(?'4 '45,' ,;81,&(' =&)46'5&;'&' 35&),'8(' 45,' ? ',)(:,(4'7,),'9&' 2)&A*6';83= 3,;'4 7&);3')&(1,'&(;

'" *4::48394.4'#1,348'9@ 18248' ,2'4'5' X'69':41

&3' 34) (?*6' ;83= 3, ;' 4 ' 9, ,*' 5 348*, *6' 4 7&) ; 3' 4*8, 'Y ,&= *84&(' =)8(1,3' 9' 45,' 23,' 9')&? (' 24' 45,' 8(1*8(&48 (3' 9' 8,4) ' ; ,P ,;818' 7,),' 8(' ;8&:,4)81&*' == 3848 ('4 ' 45 3,' 9' 45,' 1848>, (3' 8('4583'),3=,14')8(18=&**6' A6'),&3 (' 9'583')38(8' 1 ((,148 (3 J' 5,' 5&;' A,1 :,' ,(48),*6' A 2(;' 4 ' 45,' $8(?' 9' &=*,3' 8(' 75 3,' &) : 6' 8)?8(8 ')38(8' 5&;' 4&@,(' 3,)'81,' ,38;,3' 4583' 8,4) ' 5&;' ;831 ',),;' 45&4' 45 3,' 47 ' 6 2(?' @8(3:,(' 9' 583'),(> ' &(;' B8 '&((8' ;,P ,;8188' 75 3,' D2&)),*' 7845' 45,' 5,&;' 9' 45,' 9&:8*6' 5&3' A,,(' :,(48 (,;' 8(' &' 9):,)' 15&=4,)' 5&;' A,,(',(4,)8(?' 8(4 ' 4),&3 (&A*,' 1)<),3= (;,(1,' 7845' 2; '81 ' 8*') ' &4' 8*&(' 7' 45,3,' 6 2(?' :,(' 7,),' &3' 5&3' A,,('3&8;' ',)6'= =2*&)'8(' *),(1,' 5,8)' 4),&3 ('G' &?&8(34' 45,'23:P=8(?'=)8(1,' 9' &' 7 2*;.A,' 9),,' 1 : : (7,&*45' 7&3' 4),&3 (' 75815' &' *&)?,' 5&*9' &4' *,&34' 9' 45,' 1848>, (3' 7 2*;' A,' ?*&;' 4 ' 3,,' 3211,3392*' 8,4) ' 5&;' A,,(' ',)6' 34) (?*6' A,(4' (' =2448(?' 45,3,' 1 238(3' 9' 583' 4 ' ;,&45' 75,(' 45,6' 7,),' 8(' 583' = 7,)' A24' 5&;' A,,(' (4' 7845 24' :215' ;899812*46' =,)32&;,;' A6' 45,' *,&;8(?' :,(' 9' 45,' 18)1*,' 9' 583' :),' =&)4812*&)' &(;' =,)3 (&*' 9)8,(;3' 45&4' ('45,' 75 *,' 84' 7&3' :),' =)2;,(4' 4 ' 3=&),' 45,8)' *8',3' 4' (7' A,1&:,' ',)6' D2,348 (&A*,' 75,45,)' 4583' ;,=&)42),' 9) :' 45,' =)8(18=*,3' *&8;' ; 7(' A6' &1158&',**8' &3' (,1,33&)6' 9)' 45,' ?28;&(1,' 9' &' F=)8(1,G' 3 ' 12P12:34&(1,;' 5&;' 8(;,,;' A,,(' =)2;,(4' 8,4) ' 9,*4' &*' 45,' =),1&88 23(,33'H8(;' ;&(?,)' 9' 583' = 3848 (M &(;' 3&7' 1*,&)*6' 8(' 4583' 9),?&45,)8(?' 9' 583' 4),&3 (&A*,' 1 238(3' 7845' 2; '81 ' &(' 8(;81&48 (' (4' 4 ' A,' (,?*,14,;' 45&4' 45,' 1 :8(?' 34)2??*,' 8(' 4&*6' 7 2*;' A,' 9&4&*' ,845,)' 4 ' 58:')' 4 ' 45,' 2@,' 9' 8*&(' 0 5&4,',)' 45,),< 9),' :8?54' A,' 45,' 8(4,),343' &(;' 7835,3' 9' 45,' 1846' 84' &==,&),;' &A3 *24,*6' (,1,33&)6' 4 ' 8,4) ' 45&4' 5,' 35 2*;' ? ' 5,&)4' &(;' 5&(;' 7845' *9 (3 ' 8(' 45,' 1 :8(?' 1 (4,34' &(;' 35 2*;' 45,),9),'),923,' 45,'),D2,34' :&;,' 4 ' *),(1,' A6' 45,'),(15' &:A&33&;)3' ,',)45,*,33' 84' 7&3' (4' ;,38),;

'* 1' G422' E6' 36) 6) E6369' 1<81' E,1<' <4='),1<63' 8.9' <4=' G4%6' E62,.>69' 1,' 1<81' 534.:62;' %8) 42;

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‘ :&(89,34‘ &(6‘ ?),&4,)‘ ;,?),,‘ 9‘ 5 348*846‘4 ‘ 45,‘ :215.‘ ;8P,&;,;‘ 8('&;,)3‘ 45&(‘ 7&3‘ &A3 *24,*6‘ (,1,33&)6‘ 5,‘ &:A&33&;)3‘ 7,),‘4 *;‘45,),9),‘F‘8(‘),3=,1492*‘&(;‘)(&4,‘ *&(?2&?,G‘&3‘ B28118&);8(8‘ 7)84,3C‘45&4‘F‘45,‘;,38),‘ 9‘45,‘ : : (7,&*45‘4 ‘ :,,4‘45,‘ '835,3‘ 9‘3 ‘?),&4‘&(;‘C)8 23‘ &‘3 ',),8?(‘&3‘45,‘ $8(?‘ 9‘)&(1,‘7&3‘8: :,(3,ML 45&4‘&**‘ 45,‘4)&;848 (&*‘ 9,,*8(?‘ 9‘ *),(1,‘4 7&);3‘)&(1,‘2)?,;‘ 45,‘ 1848>,(3‘ 8(‘ 4583‘ ;8),148 (M A24‘ 45&4‘ 2(5&==8*6‘ 45,‘ : : (7,&*45‘7&3‘A 2(;‘A6‘&‘348**‘2(,O=8),;‘4),&46‘7845‘ 45,‘ $8(?‘ 9‘ &=*,3‘ 75815‘ ,O=),33*6‘ 348=2*&4,;‘ 45&4‘ *),(1,‘35 2*;‘ (4‘ ; ‘45,‘',)6‘458(?‘75815‘)&(1,‘7&3‘ (7‘ &3@8(?‘5,)‘4 ‘ ; ‘ 4‘ 7&3‘8:= 338A*,‘45,),9),‘4 ‘ &33,(4‘4 ‘45,‘ ;,:&(;‘ 9‘45,‘&:A&33&;)3M &(;‘ *),(1,‘ 1 2*;‘ (*6‘5 =,‘45&4‘38(1,‘3 ‘?),&4‘&(;‘783,‘&‘@8(?‘7 2*;‘ A,‘45,‘98)34‘4 ‘),1 ?(8>,‘45,‘&A3 *24,‘(,1,33846‘45&4‘&‘ 4&4,‘ 35 2*;‘* 6&**6‘&(;‘5 (2)&A*6‘ A3,)',‘843‘,(?&?,:,(43‘45,‘ 8(&A8*846‘ 9‘45,‘ : : (7,&*45‘4 ‘&14‘ &3‘84‘ :8?54 7835‘ (‘ 4583‘= 8(4‘7 2*;‘ (4‘A,‘1 (38;,),;‘A6‘)&(1,‘&‘ :&44,)‘ 9‘ HB ,(1,G

5,‘),4)4‘ 9‘45,‘ $8(?‘ 9‘)&(1,‘ (‘),1,8'8(?‘4583‘),A299‘7&3‘ :215‘ :),‘ 1*,',)*6‘8:&?8(,;‘45&(‘84‘7 2*;‘ =) A&A*6‘5&',‘A,,(‘89‘84‘5&;‘ (4‘A,,(‘1 2(3,**,;‘A6‘45,‘ 1)&946‘&(;‘= *8481‘ 2;‘81 ‘ 6‘583‘&;‘81,‘ 5&)*,3‘1 (< 4,(4,;‘58(H3,*9‘7845‘3,(;8(?‘&7&6‘45,‘ *),(48(,‘&:A&3.‘ I3&;)3‘&4‘583‘1 2)4‘&(;‘A&(8358(?‘9) :‘ 6 (3L C(4&**45,‘ *),(48(,‘1848>,(3‘ 9‘75 :‘1 (38;,)&A*,‘(2:A,)3‘7,),‘ ,(?&?,;‘8(‘1 : :,)18&*‘&(;‘A&(@8(?‘ =,)&48 (3‘8(‘45&4‘1846‘ L A24‘ (*6‘45 3,‘ ,:=* 6,;‘8(‘45,‘A&(@‘ 9‘45,‘ ,;818M 4523‘ (48968(?‘',)6‘ :&8C,;*6‘4 ‘ *),(1,‘45&4‘5,‘1 (< 38;,),;‘58:3,*9‘4 ‘5&',‘?) 2(;‘ 9‘ 99,(1,‘&?&8(34‘ 8,4) ‘ &(;‘ (4‘&?&8(34‘45,‘1846 L 3,=&)&48(?‘58:‘&(;‘583‘8(4,),343‘ 9) :‘45 3,‘ 9‘45,‘),34‘ 9‘45,‘ *),(48(,3‘&(;‘',)6‘1*,&)*6‘ 58(48(?‘45&4‘89‘4583‘E (&5‘1 2*;‘A,‘45) 7(‘ ',)A &);‘9) :

45,' *),(48(,' 358=' &** 7 2*;' ? ' 7,** A,47,,(')&(1,' &(;' WUXW
45,' ,=2A*81

5,' 58(4' 7&3' A6' (' :,&(3' * 34' 2= ('45,' *),(48(,3' A24' 1 (4)8A24,;' (4' &' *844*,' 4 ' 9&(' 45&4')838(?' 9*&:,' 9' 8(;8?(&48 (' &(;' ;831 (4,(4' 75815' 45,)' 18)12:34&(1,3'7,),')&=8;*6' A)8(?8(?' 4 ' &';&(?,) 23' 5,8?54' 8(' *),(1,' 5,' 1)2,*48,3' &(;' ,O1,33,3' 75815' 5&;' A,,(' =,)=,4)&4,;' A6' 45,' 8P,(15' &(;' 7833' 4) =3' &4' &==&** ' &(;' 5&;' 1&23,;' &' 45)8**' 9' 5)))' &(;' &*&):' 4 ')2(' 45) 2?5 24' &**' 4&*6 ' 5&;' A,,('),=,&4,;' A6' 45,:' &4' 8'8>>&(' 45,' 98)34' 4 7(' 45,6' 5&;'),&15,;' &94,)' *,&'8(?' 45,' 9)8,(;*6' 4,))84)6/ 9' 8*&(' &4' (4),: *8' 8'8>>&(' 83' 45,' =)8(18=&** =*&1,' 9' &' 3:&** ;834)814' 1&**,;' 45,' 2(8?8&(&' 9) :' 45,' &(18,(4' A24' (7' 75 **6';,34) 6,;' 1846' 9' 2(8' 9' 75815' 84' (1,' 9):,;' 45,' 4,))84)6' 4' 83' &'(&)) 7' 34)8=' 9' 58**6' 1 2(4>6' 3524' 8(' A,47,,(' 45,' 58?5,)' =,((8(,' &(;' 45,' 3,&M ;,518 23' 8(' 1*8:&4,'* ',*6'8(' 31,(,)6' &(;')815'8(' 5',3M A24'=) ;218(?' 9' 1)(' A&),*6' 3299818,(4' 4 ' 9,,;' 843' = =2*&48 (' 9)' (,' : (45' 8(' 45,' 6,&)')' 83' 45,' &11,33' 4 ' 45,' ;834)814' 3215' &3' 4 '),(;,)' 45,' 4)&(3=)4' 8(4 '84' 9' =) '838 (3'8(' *&)?,' D2&(4848,3' = 338A*,' ,O1,=4' &4' 45,'1 34' 9' :215' *&A 2)' &(;' 48:,' 8** ,:,)?8(?' 9) :' 4583' ;834)814' 3 2457&);3' 8(4 ' 231&(6' 45,'A) &C;' 358948(?' &(;' ;&(?,) 23' 34),&:' 9' 45,' &?)&' 5&3' 4 ' A,' 1) 33,;' &(;' 45,' 34) (?' 9)4),33' 9' &).' >&(&' &(;' 45,' 6,4' 34) (?,)' (,' 9' &)>&(,**&' 3842&4,;' (' 45,' 58**' &A ',' 84' 4 ' A,' =&33,;' 5,3,' 7,),' 8(' 45,' 5&(;3' 9' 45,' *),(48(,3' &(;' 8,4) ' ;,P ,;818' 8(' &))&(?8(?' 7845' *9 (3 '45,'=*&(' 9' =,)&48 (3' 9)'45,'1 :8(?'34)2??*,' 5&;' 2(;,)4&@,(' 45,' ;246' 9' ;,9,(;8(?' 4583' =&33&?,'8(4 ' 4&*6' &?&8(34' 45,' 8('&;,)3' 9' &**' 45,') 24,3' A6' 75815' 45,'),(15' &):6' 1 2*;' :&)15' 3 2457&);3' 4583' 7&3' 45,' :34' ,&36' 4 ' ;,9,(;' 5,' A) &;' &(;' 8)&=,42 2n' &?)&' ,O< 4),:,*6' *8&A*,' 4 ' ;&(?,) 23' 9* ;3' &4' 45&4' 3,&3 (' 9' 45,' 6,&) L C34 7&3' (7' ',:A,) L 9):,;' &(' &;:8)&A*,' *8(,' 9' ;,9,(1,M &(;' 75,2' 4583' 7&3' =&33,;' 45 2?5' 84' :8?54' 5&',

U[' # L ' ' ' T ' '

8 C = 338A*,' 9)' 4A,'),(1A' &) : 6' 4 ' &' 8;' 45,' 9)4),33,3' 9' &)>&(&' &(;' =),33' 4 7&);3' 83&' 75815' 1846' 7 2*;' ,&38*6' 5&',' A,,(')&83,;' 8('),' *4' &?&8(34' *),(1,')' 4 ' 211&' 75815' 5&;' &*),&;6' &?),,;' A6' &' 3,1),4' 1 (',(48 (' 7845' 45,' 2@,' 9' 8*&(' 4 '),1,8',' 45,:' 6,4' 5&)*,3' 7&3' ',)6' 2(78**8(?' &(;' 84' 7 2*;' 5&',' A,,(' ',)6' 8 : = *8481' 8(' 58 : ' 4 ' &; =4' 45&4' 1 2)3,' 5,' =),348?,' 9' 45,'),(15' (&:,' &(;' 45,' 4,)))' 9' 45,'),(15' '&* 2)' &(;' 9,) 1846' 7,),' &4' 45&4' 148 :,' ',)6' 34) (?' 8(' 4&*6M &(;' 45,' ?),&4' &;' '&(4&?,3' 4 ' A,' ?&8(,;' 9) :' 4583' 7 2*;' 5&',' A,,(' ',)6' :&4,)8&**6' 1 :=) < :83,;' A6' 45,' &' 7&*' 45&4' 45,' 8('&;8(?' 9)1,' 7&3' &9)&8;' 4 ' ,(1 2(4,)' 45,' 98)34' == 3848 (' 75815' 84' :,4' 7845' 4' 45,' =),3,(4' ;&6' 45,'),=24&48 (' 9' &'?,(,)&*' 7 2*;' (4' 3299,)' 8(' 1 (3,D2,(1,' 9.' 583' ;,1*8(8(?' 4 ' &44&1@' &' 34) (?' 9)4),33' 89' 84' 7&3' (4' &A3 *24,*6' (,1,33&)6' 4 ' 45,' &44&8(:,(4' 9' 583' 2*48 : &4,' AH,14' 4 ' ;' 3 ' 24' 45 3,' F(A*,' A 63' &4' =*&6 G' &3' 45,' :,(' 9' 45 3,' &?,3' 5&',' A,,(' 3 :,75&4' 4 '= ,481&**6' 1&**,;' A6' (,' 75 3,' @(7*,;?,' 9' 45,' *89,' 9' 45&4' 48 :,' 1 2*;' 5&',' A,,(' A24' 32=,)9818&*' H2;?,;' 45,3,' :&44,)3' ;899,),(4*6' (;' 5&)*,3' 7&3' D284,')8?54' 8(' 458(@8(?' 45&4' 84' 7 2*;' 5&',' 9&4&**6' 1 :=) :83,;' 45,' =),348?,' 9' 583' &):3' 45) 2?5 24' 45,' =,(8(32*&' 89' 5,' 5&;' *,94' 45,' 9)4),33,3' 9' &)>&(&' &(;' &)>&(,**&' 2(&44&1@,;' 8(' 583'),&)

(' 45,' 45,)' 5&(;' 84' 7&3' ,'8;,(4*6' 8 : = 338A*,' 45&4' 45,' (' &) : 6' 1 2*;'),:&8(' * (?' 75,),' 84' 7&3' 5,' : 2(< 4&8(' &(;' 3,&.?8)4' ;834)814' 9' 45,' 2(8?8&(&' 7& ' D284,' 8(1&=&A*,' 9' 92)(8358(?' 9 ;' 9)' 3215' &' 5 34' 9)' :&(6' ;&63M &(;' 89' (*6' 45,' =&33,3' 24' 9' 45&4'),?8 (' 5&;' A,,(';,9,(;,;' 7845' ,',(' : ;,)&4,' 98) : (,33' &(;' &A8*846' 45,'),(15' &) : 6' 7 2*;' 5&',' 9 2(;' 843,*9' 8(' &' ',)6' 1)8481&*= 3848 (' 24' 45,),' 7&3' =) A&A*6' ',)6' *844*,' ,O=,14&48 (' &4' *),(1,'C45&4' 45,' ;,9,(1,' 9' 45,3,' =*&1,3' 7 2*;' A,' ,845,)' '8?) 23')' 3211,3392*M 9)' 45,' &*&) :' 8(' *),(1,' &4' 45,' = 3848 (' 8(' 75815' 45,' 1846' 7&3' &A 24' 4 ' A,' =*&1,;' 7&3' A,1 :8(?' ,O4),:,' 5,' A&)A&)848,3' 75815' 5&;' A,,(

=)&1483,;' &4' 8'8>>&(' 75,(' (4' (*6' 45,' 4) =3' 75 ' !
7,),'9 2(;'8('4H8,'=*&1,'A24'&*3 '45,'2(&):,;'8(5&A84&(43'
5&;'A,,(' :&33&1),;'8('1 (38;,)&A*,'(2:A,)3'5&;'=) ;21,;'
&' ,)6'=&8(92*' ,99,14 ('45,' :8(;3' 9'45,' *),(48(,3' 215'
;,,;3'7,),'3&63' B28118&);8(8'F'&' (,7'4588(?'&(;' &' 1&23,'
9'45,'?),&4,34'4,)))'8(' 4&*6'75815'5&;'9)'&'* (?'48:,'
=&34'A,,(' &11234 :,;'4'* @' ('7&)')&45,)'8(' 45,' *8?54'
9'&' 3=,14&1*,' 9'= :='&(;' :&?(8981,(1,'45&(' &3' &' :&44,)'
9' ;&(?,)'&(;'A* ;35,;G

5,'1 (3,D2,(1,' 9'4583'4,)))'8(' 45,'1846'7&3' 9'1 2)3,'
&('8(1),&3,;' &(;',',)'8(1),&38(?'&(8: 3846'&?&8(34' 8,4) '
75 '5&;'=*&,,;'45,' : : (7,&*45'8(' 3215'&'= 3848 ('&(;'
75 '(7',058A84,;'F'(' :),' 1 (34&(16')' :&?(&(8:846'
8(' &;',)3846'45&(' ,845,)' : ;,)&48 (')'=)2;,(1,'8(')=) 3<
=,)846 GJ' 9'1 2)3,'&*3 '45,'*&)?,'=&)46'8(' 45,'1846'75815'
5&;' &*7&63'A,,(' 5 348*,' 4 '45,' ,;81,&(' 32=),:&16'&(;'
75815' 5&;' A,,(' 9'*&4,' ',)6' :215'8(1),&3,;' A6'45,'=,)<
3 (&*' 8**' D2&*848,3' &(;'2(= =2*&)' :&((,)3' 9' 8,4) '7,),'
&148','8('4&@8(?'&;'&(4&?,' 9'45,'&*&):'75815'),8?(,;'8('45,'
1846'&(;' 45,' 1 (3,D2,(4' &(8: 3846'&?&8(34' 58:'4 '=235'
:&44,)3' 4 '3215',04),:846'&3' :8?54'45,6'A,?&(' 4 '5 =,'
1&23,'45,' ',)45) 7' 9'583'= 7,)

5,'315,:,3' o'45 3,'75 ' (2)835,;' 3215' 5 =,3' 7,),'
92)45,)'9&' 2),;' 3&63' B28118&);8(8Q' FA6'45,' (&42),' 9'
8,4) P3' ? ',)(:,(4' &(;JA6'583' 7(' 15&)&14,)'75815'
1&23,;'58:'4 'A,'5&4,;' (4' (*6'A6'45,',(,:8,3' 9'583'
5 23,'A24'7,),'3 ';83=*,&38(?',',('4 '583'9)8,(;3'&3'4 'A,'
&*: 34'8(32==)4&A*,' A6'45^:' &2?546'&(;' A)24&*' 8('
583':&((,)3'84'7&3'583' (&42),' 4 '=),9,)'A,8(?'9,&),;'4 '
A,8(?'* ',;' 83' 98,)1,' &(;' 1)2,*' ;83= 3848 (' 5&;' *,;'
A,9),'45&4'48:,'4 '583'5&'8(?'A,,('1 (1,)(,;'8(' :8;(8?54'
A) 8*3'8(' *'8(?',',('45,'* 33' 9'*89,' (;'7845'&**'4583

J' B28118&);8(8' 4)8&';P 4&*8&' ' 8'8'=' NN',;'184'
4' 4)8&' 8)DH84848&' =,),'8(,;84,' ' 8'888'=' "N

7 58*,' 45&4' 3 ',),8?(' 7&3' &4' 7&)' 7845' *),(1,' &(;' -I'
F'A) 2?54' 5 :,' 7845' 58:' =,&1,' 9)' 45,' 1846' &(;' 3,12)846'
9)' 58:3,*9 G

F' 24' 84' 83' 1*,&)*6' &' ',)6' ;&(?,) 23' ;58(?G' 3&63' B281<
18&);8(8' F'4 ' A,' ? ',)(,;' A6',O&:=*,3' 89' 45,' 1&3,3'),*8,;'
5' &),' (4',(48),*6' 38:8*&)' 8(' &** 45,8)' ;,4&8*3' &3' 7,** &3' 8('
45,8)' ?,(,)&* 24*8(,'ML 89' &?&8(' 45,' (,7' 18)12:34&(1,3' A,'
(4' 4),&4,;' 7845' &(',D2&* ;,?),,' 9'=)2;,(1,'ML C&(;' 98(&**6'
89' A,38;,3' &** 45,3,' 45,)'),D288.,:,(43' 45,' 8:84&4)' A,' (4'
,D2&**6' 9&' 2),;' A6' 9)42(,G

'T 24' 84' 3,,:3' ',)6' =) A&A*,' 45&4' 8,4) ' *,94' 45,' 1846'
A,1&23,' 5,' A,1&:,' &9)&8;' 4 '),:&8(' 8(' 84' 5,),' 7,),'
4 @,(3' 9' 45,' 34&4,' 9' 45,' =2A*81' 4,:=,)' 75815' 4 ' &(6' (,'
75 '@(,7' *),(1,' 7 2*;' 5&',' 3,,:,;' 4 '),(;,)' 3215' &('
&==),5,(38 (' (4' 2(),&3 (&A*,' (;' 5,' (' ; 2A4' 7&3'
: ',;' &*3 ' A6' 45,' 1 (38;,)&48 (' 45&4' 45,' (*6' 15&(1,'
' 9' &**&68(?' 45,' ?,(,)&* ;831 H84,(4' &(;'),3,8>8(?' 45,' = 38<
48 (' 9) :' 75815' 5,' 7&3' 9&**8(?' *&6' 8(' 583' 98(;8(?' 45,'
' :,&(3' 9' &',)48(?' 45,' ;&(?,)' 75815' 7&3' 4,))8968(?' 45,'
1848>,(3
))8',;' &4' 8,4)&3&(4&' 5,' 45,),' &7&84,;' &' 3&9,.1 (;214'
9) :' 45,'),(15' @8(?' 75 ' 3,(4' 45,' 835 =' 9' 4' &* '
&(;' 1,)4&8(' 45,)' 1 2)48,)3' 4 ' A)8(?' 58:' 8(' 3&9,46' 8(4 ' 45,'
),(15' 1&:=' 0 5,(' 5,' &))8',;' 45,),' 45,'),(15' 5&;'
&*),&;6' 4&@,(' &)>&(&' &(;' 7,),' 112=8,;' 8(' *&68(?' 38,?,'
4 ' 45,' :215' 34) (?,)' 9)4),33' 9' &)>&2,**&' 7845 24' 5 7<
,',)' &3' 6,4' &(6' =) 3=,14' 9' A,8(?' &A*,' 4 ' 4&@,' 84' 58<
*8==,';,' :8(,3' 3&63J' 45&4' 8,4) ' &(8',;' 8(' 45,'),(15'
1&:=' A,9),' 45,' 32A:8338 (' 9' &)>&(&' 24' 84' &==,&)3'
9) :' 583' (&))&48',' 45&4' 5,' 7&3' (4' =),3,(4' 58:3,*9' &4' 45&4'
' 48:,' &(;' 45,'),=),3,(4&48 (' 9' 45,' :&44,)' A6' B28118&);8(8'
83' (' ; 2A4' 45,' :),' Y&112)&4,' (,' ,' (88(,3' 83' &*3 '
8(' ,)))' 8(' 32== 38(?' 45&4' &' ;,=24&48 (' 9' *),(48(,

p ' ' qþ ' 8 0 ' '

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1848>,(3' 75815' 5,' 3&63' 5&;' =),'8 23*6' 4 ' 8,4) P3' &))8'&*' =),3,(4,;' 843,*9' 8(' 45,'),(15' 1&:=' 5&;' 1 :,' 45845,)' Y' 7845' 583' 1 (3,(4 G' 4' 83' ',)6' *8@,*6' 45&4' 3 (H,' 9' 45,' 1848>,(3' :&6' 5&',' A,,(' A,9),5&(;' 7845' 8,4) ' 8(' '83848(?' 45,'),(1*8' @8(?' &(;' &44,:=48(?' 4 ' :&@,' 4,):3' 7845' 58:' 8(' 9&' 2)' 9' 45,' 1846' 24' &(6' 3215' 8(4)8?2,' :234' 5&',' A,,(' 2(;,)4&@,(' A6' 45,' =&)46' == 3,;' 4 ' 45,' E9,;818' :234' 5&',' =) 1,,;,;' 3,1),4*6' &(;' 1,)4&8(*6' (4' 784A' 8,4) P3' (3,(4' (;,,;' ,' :8(,3' 3&63' 45&4' 45,' (*6' AH,14' 7845' :34' 9' 45 3,' 75 ' 1 :=3,;' 4583' ;,=24&48 (' 7&3' 4 ' 8(;21,' 45,'),(15' :(&)15' 4 ' ? ' 4 ' *),(1,' 9)' 45,' =2)=3,' 9' ;)8'8(?' 24' 8,4) ' ;,P ,;818' (;' 45,' =) A&A8*846' 83' 45&4' 45,' *),(48(,3' 75 :' ,' :8(,3' 32== 3,3' 4 ' 5&',' 9):,;' 45,' Y' ;,=24&48 (G' 7,),'8(' 9&14' 45 3,' 47 ' 6 2(?' 1 238(3' 9' 8,4) ' 75 3,' D2&)),*' 7845' 45,' 5,&;' 9' 45,' 9&:8*6' 5&3' A,,(' :,(48 (,;' &(;' 45,8)' 9)8,(;3' 83:(;8' 83' 8(' ,)))' &*3 '8(' 3&68(?J' 45&4' 8,4) ' 1&:,' &3' &(8A&33&;)' 9) :' 45,' ,=2A*81' 8,4) P3' ;,=&)42),' 9) :' *),(1,' 7&3' 32;;,(' 1 2(3,**,;' (*6' A6' 583' 7(' =&(81' &(;';,18;,;' (' 7845 24' 1 (32*4&48 (' 7845' ,',(' 45,' 3:&*' @(4' 9' 583' 7(' :),' 8(48:&4,' 9)8,(;3' &(;' 1 2(3,**)3 9 8,4) ' 7&3' 8(4) ;21,;' 8(4 ' 45,'),(15' 1&:=' A6' 45,' 1 2)48,)3' 75 ' 5&;' A,,(' 3,(4' 4 ' 8,4)&1&(4&' 4 ' :,,4' 58:' &(;' =*&1,;' 8(' 1 : :2(81&48 (' 7845' (,? 48&4)3' 75 ' =8P .' 1,,;,;' 4 ' &))&(?,' 45,' 4,):3' (' 75815' 45,'),(15' &):6' 7 2*;' 1 (3,(4' 4 ' 4)&',)3,' 231&(6' &3' 9)8,(;3' &(;' (4' &3' &):,;',(,:8,3' 5,'),(15:,(';,:&(;,;' 45&4' &'),(15' ?&))83 (' 35 2*;' A,' =*&1,;'8(' &)>&(&'45&4' &)>&(,**&'35 2*;' A,' 1,;,;' 4 ' 45,:' &(;' 45&4' 8,4)&3&(4&' 83&' ,?5)(' &(;' 8=&9)&44&' 45,(' &(' 8:=)4&(4' 9)4),33' 35 2*;' &*' A,' ?8',(' 2=' 8(4 ' 45,8)' 5&(;3' Q 4' 7&3' ;,:&(;8(?' (4' (*6' 45&4' 45,' @,63' 9' 45,' 1 2(4)6' 35 2*;' A,' ,(4)234,;' 4 ' 45,:' L 9)' 3215' 0,),' &)>&(&' &)>&(,**&' &(;' 8,4)&3&(4&M L A24

'' 4=1,436' 96=' 38.n84=' +,2' D+' 5' WYW

TF #66' *4::48394.4' #1,348' 4,36.14.8' ,5J3J' 4.J9416' +,2' 444' 5' W

45&4 45, ,(48), 4,))84)6 35 2*; 32A : 84 4 &),(15 112=&. 48 ((; 8,4) ; , ,;818 ,'8;,(4*6 &148(? 2(;,) 45, 8(9*2,(1, 9 & =&(81 &(; &AH,14 4,))) ?)&(4,; &** &3 3 (&3 &3@,; 5,),(15 (,? 48&4)3 7,), &34 2(;,; &4 583),&;8(,33 4 &11,;, 4 ,',)6458(? &(; &(6458(? 45&4 1 2*; A,';,:&(;,; 9 58: F 5 3, 75 4),&4,; 45, :&44,) 7845 45, &A ',.:,(48 (,; 8,4) G 3&63 , :8(,3 J F 5&',J),*&4,; 4 :, &(; 5&', 4 *; :&(6 45,) =,)3 (3 *&2?58(? &(;)8;812*8(? 583 7,&@(,33 45&4 45,6 7,), &34 2(;,; &4 45, 9&18*846 7845 75815 5, &11);,; ;,:&(;3 3 ,( ): 23 45&4 459,6 5&; (,',) ,O=,14,; 45,6 1 2*; A, ?)&(4,; G

** 5&'8(? A,,(4523 D281@*6 &(; ,&38*6 3,44*,; 45,),(15 @8(? :&)15,; (4 83& 75815 &3 7,** &3 45, 45,) 9)4),33,3 5&; A,,(&4 (1, 1 (38?(,; 8(4 583 5&(;3 A6 45,);,)3 9 8,4) 7845 24 7&848(? 9) &(6 ,',(9):&* 32A : 8338 (9 45, 4),&46 4 45, *),(48(, ? ',)(< :,(4 M &(; 4583 ,;818 ;&),; .4),42)(4 *),(1, 7845 45, &11 2(4 9 75&4 5, 5&; ; (,

4 3,,:3 8:= 338A*, 4 32== 3, 45&4 5, 1 2*; 5&', A,,(&7&), 9 45,),&* 34&4, 9 9,,*8(? 8(45, 1846 6)&(43 (,',) &), &7&), 9 45,),&* 1 (;848 (9 45, 3 18&* &4: < 3=5,), &) 2(; 45,: 8,4) @(,7 45&4 45, 1846 7&3 2(< 9&' 2)&A*, 4 583 &**8&(1, 7845 45, $8(? 9 &=*,3 7&3 ;83< = 3,; (45, 1 (4)&)6 4 ;)&7 4 7&);3)&(1, &(; 8*&(&(; 7&3 2(;,) 45, 8(9*2,(1, 9 ,O4),:, &*&): &4 45, (,&) =) 3=,14 9 5&'8(? &5 348*,),(15 &):6 &4 45, ?&4,3 7845 (458(? 4 =),',(4 45,: 9) : 4),&48(? *),(1, &3 45,6 5&; 4),&4,; $&==&** &(; 8'8>>&(8,4) @(,7 &** 4583 &(; 5&'8(? (3=&)@ 9 9,,*8(? 8(583 7(A),&34 45&4 =),< ',(4,; P58: 9) : 3,,@8(?),*8,9 9) : 583 7(4,))) A6 1 (1,338 (3 (4 (*6 35&:,92** 4 *),(1, A24 3=,18&**6 ;83?)&1,92** 4 5 8:3,*9 8(45&4 45,6 8(*',; 4),&15,)6 4 583 7(&**8,3 &(; 45, 342*48981&48 (9 45, 75 *, =),'8 23

' 1 2)3,' 9' 583' = *816' 45,),' 7&3' (458(?' 4 ' 4,**' 58:' 45&4'
),(1,' 4,))898,;' &3' 35,' 7&3' 7&3' 6,4' (4' 3 ' '8*,' &3' 5,ML
' 45&4' 45,' 8::)&** 46)&((6' &(;' 348** :),' 8::)&** A*&(;835<
:,(43' 9' 583' 9&45,)' &(;' 58:3,*9' 5&;' (4' 6,4' 3 ',(48),*6'
1)235,;' &** 45,' *;' =)8;,' &(;' 18'8** '8)42,' 24' 9'5,)' &3' 45&4'
35,' 1 2*;' 4&:,*6' 32A:84' 4 ' A,' 4523' 5&(;,;' ',)' 2(1 (<
32*4,;' *8@,' &' 15&44,*' 9) :' (,' 46)&(4' 4 ' &(45,)')'
4)2,' 84' 83' 45&4' *),(1,' 7&3' ('45,' 7&6' 4 7&);3' 45&4' ;,=45'
9' ;,?)&;&48 (' &(;' 45&4' 8(' &'9,7' :),' 6,&)3' 35,' 5&;'
),&15,;' 84' 24' 84' 5&;' (4' 1 :,' 4 ' 45&4' D284,' 6,4' 5,),'
7&3' 348** &' 8,) ' &== (8' 8(' *),(1,ML &(;' :),' ;&(<
?,) 23' 348** 4 ' 45,' 232)=,)' 45 2?5' 5,' 7&3' (' *),(48(,'
45,),' 7&3' &' &' (&) *&
8,4) '),42)(,;' 9) :' 583' 8**. :,(,;' ,O=,;848 (' ('45,'
45' 9' ',:A,) J' &(;' 8:: ,;8&4,*6' =) 1,,;,;' 4 ' 45,'
&*&>> ' 2AA*81 '4 ' 8(9):' 45,' 8?( )8&' 9'45,'),32*43' 9' 583'
(,? 48&48 (' 4' 83' =) A&A*,' 45&4' 5,' ;8;' (4'),&15' 45,'
=&*&1,' 7845 24' A,1 :8(?' 8(' 3 :,';,?),,' &7&),' 9' 45,',O.'
&1,)A&4,;' 34&4,' 9' 45,' =2A*81'9,,*8(?'4 7&);3' 58:' 4' 7&3'
&'?),&4' :834&@,' &=&)4' 9) :' 45,' :83,)&A*,'),32*43' 9' 583'
H 2)(,6'4 ' 45,'),(15'1&:=' 4 ' 5&',' *,94' 45,' 1846' &4' 3215'
&' : :,(4' &1158&',**8' 7 2*;' &332),;*6'5&',' 1 2(3,**,;'
583PF'=)8(1,'G' &?&8(34' 3 ' ;&(?,) 23' &' 34,=' ' 3 (,)' 5&;'
5,' *,94' 45,' 1846' 45&('45,' ;831 (4,(4' A,?&('4 ' 35 7' 843,*9' 8('
&' :),' :,(&18(?' :&((,)' ,('A,?&('4 ' 3&6' =,(*6' 45&4'
84' 7&3' 48:,' 4 ' *8A,)&4,' 45,' 1846' 9) :' &' ; :8(&48 (' 75815'
89' 84' 5&;' A,,('4 *,)&A*,' 2(;,)' &'),(> ' 45,' &?(8981,(4'
7&3' &*4 ?,45,)' 8(4 *,)&A*,' 2(;,)' 3215' &' :&(' &3' 8,4) '
(;',',('45 3,' 75 ' 7,),' 1 2(4,;' 8('45,' 1846' &3' 583' 9)8,(;3'
;8;' (4' *894' 2=' 45,8)' ' 81,3' 8(' 1 (4)&;8148 (' ',('45,'
8?( )8&' 843,*9' 75815' 5&;' 9' 1 2)3,' A,,('15 3,('&3' :,(' ('
75 :' 45,' ,;818' 1 2*;' 8:=*8184*6'),*6' ;8;' (4' ',(42),'
&(;'=,)5&=3' ;8;' (4' 7835'4 ' ;' &(6458(?'4 7&);3' 15,1@8(?

4*8,' :&(89,34&48 (' 9' =2A*81' 9,,*8(?' ,33,)' 21&')38(8' 2 WUQ
(,' 9' 45,' 8?( )8&' 75 ' 5&;' A,,(' 1 (38;,),;' &' 45) 2?5 '
? 8(?' =&)483&(' &(;' 1),&42),' 9' 45,' ,;818' (7' &' 7,;'
58:3,*9' 45,8)' 8:=*&1&A*,' ,(,:6' 583' :&(' &'&8*8(?' 58:<
3,*9' 9' 583' = 3848 (' 8(' 45,' =&*&1,' 5&;' (' (,' 11&38 (' 75,('45,' 8?( )6' 7,),'8(';,A&4,' ('45,'&?84&4,;'1 (;848 (' 9' 45,' 1846')235,;' F'92)8 23*6 G' 3&63' B28118&);8(8 J' 4 ' 45,' ?),&4' A,**' 45,' 7,**.@(7('&(;' 38(834,)' (4,' 9' 75815' 5&;' 348**' = 7,)' 4 ' : ',' 45,' 3 18&*' 7)*;' 9' *),(1,' 4 ' 843' =) 9 2(;,34' ;,=453' 7845' 45,'8(4,(48 (' 9') 238(?' 45,' 1846' 4 ' 8(34&(4'),' *248 (' :8 23*6' ?),&4' 8(' *),(1,' 7&3' 45,' = 7,)' 9' 58:' 75 ' 1 2*;' A4&8(' &11,33' 4 ' 45&4' H,&* 23*6.' ?2&);,;' A,**.) =,' 75815' 1 2*;' 3,(;' ;83:&6' 8(32)),148 (' &(;' 8J,' *248 (' A :8(?' ',)' 45,' 1846' 9) :' &(' B&**' 4 ' &(' 811 *' 8(' &' 9,7' : :,(43' Q ' 32A3,D2,(4' 46)&(4' :&;,' 783,)' A6' ,O=,)8,(1,' =*21@,;' 4583' =&**&;82:' 9' 45,' *;' *),(48(,' *8A,)48,3' 9) :' 843' =) 2;',*,'&48 (' &(;' 1&34' 84' 24' 24' 5,' 7&3' &' =)8,34'M &(;' *),(1,' 7&3' A6' 45&4' 48:,'8(;,,;' 9&**,(

(' 45,' =),3,(4' 11&38 (' 21&')38(8' 7&3' &A*,' A,9),' 45,' 45,)' :&?834)&4,3' 75 ')235,;' &94,)' 58:' 4 ' 5 *;' 583' 5&(;' 1 2*;' =),',(4' 58:' 4 ' 1&23,' 45,' A,**' 4 ' A :' 24' 843' 5 &)3,' 1&**' (*6' 4781,')' 45)81,' 24',',(' 45&4' 7&3',(2?5 ' 45 2?5' 84' 7&3' 45,' 4588P;' 5 2)' &94,)' 32(3,4 ' 4 ' 98**' 45,' 8&>>&' 7845' &(O8 23' 1848>,(3'),&;6' &4' 45,' 32:: (3' 4 ' F'),34),' *8A,)46' 4 ' *),(1,'G' &94,)' 45,' *;' 9&3888 (' 9' 45,8)' 9&45,)3 ' 24' 45,' *;' A)&7*8(?' =,&**' 75815' 5&;' 3 ' 94,(' :&;,',',)6' *),(48(,' 5,&)4' H2:=' 8(4 ' 843' 7(,)P3' 45) &4' ;8;' (4')8(?' 24' 5,' A,**' 7&3' (1,' :),' 38*,(4' M &(;' 45,' 1848>,(3' (4' @(78(?' 75&4' &2?2)6' 4 ' ;)&7' 9) :'' 45,' :,('),42)(,;' 3* 7*6' &(;' ; 2A492**6' 4 ' 45,8)' 5 :,3' 24' 45,' &?84&48 (' 75815' 5&;' A,,(' 4523' 1&23,;' ;8;' (4' 32A38;,'&(;' 45,' 1846' 7&3' 5,&'8(?' ;&(?,) 23*6' 7845' 8**.),34)&8(,;' ,: 48 (' 75,(' 8,4) '&))8',;'9) :' &)>&(&'&(;'A,4 @'58:3,*9'4 '45,'=&*&1,

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8,4) ' : &; ,' 83' &34 2(;8(?'),=)4M &(;' 84' 7 2*;' 3,, :' 4 ' &',' A,,('),1,8',;' 8(' 1 *;' 38*,(1,')' &4' *,&34' 784 24' &(6' =,(' :&(89,34&48 (3' 9' 8(;8?(&48 (')' == 3848 (' (' 4*8,'=&)4' 9' 4 ,' : &?834)&4,3' 4' 83' 1*,&)' 5 7,',)' 45&4' 5,' &;' 3,,(' ,(2?*9' 9' 45,' 34&4,' 9' :,(P3' :8(;3' 8(' 45,' 1846' 45&4' ;&6' 4 ' 7&8J(' 58:' 4 ' :&@,' 75&4' =) '838 (' 5,' 1 2*;' &?&8(34' 45,' 1 :8(?'34):')' (' 45,' :)(8(?' 9' 45,' 45' 84' 7&3' @(7('8(' 45,' 1846' 45&4' & * ')38(8' 8,4) P3' @8(3< :&('5&;' A,,('32: : (,;' A6' 58:' 8(' 5&34,' &(;' 5&;' &))8',;' &4' 45,' 1846' ?&4,3' 7845' 98',' 52(;),;' 5)3,:,(

24' 458(?3' 5&;'? (,' 4 '9&)' 9)' 45,' 1846' 4 ' A,' D28,4,;' A6' &(6' 3215' :,&(3' 5,' =),3,(1,' 9')38(8' &(;' 583' 1&'&A6' (*6' 3,)',;' 4 ' 1 ('8(1,' 45 3,' 75 ' 5&;' :&(89,34,;' 45,('5 348*846' 4 '45,' 46)&(4' 45&4' ('48:,' 7&3' 4 ' A,' * 34' 89' 45,6' 7 2*;' 3,12),' 45,8)' 7(' 3&9,46' 8 *,(1,' 7&3',' 8< ;,(4*6' 8(4,(;,;#' &(;' 89')38(8' 1 2*;' 5&',' :&(&?,;' 4 ' *&6' 5&(;3' ('3 :,' 5&*9.; >,(' 9' 45,'*,&;8(?':&*1 (4,(43' A,9),' 45,' 1846' 5&;' 1 : :844,;' 843,*9' 4 ' &A3 *24,' 8(32)),148 (' 84' :8?54' ,',(' 45,(' 5&',' A,,(' = 338A*,' 4 ' 1)235' 45,')838(?' ;831 (4,(4' 9' 45,' =, =*,' 2(;,)' &(' 2(84,;' ,;81,&(' &(;'),(15' 46)&((6' 24' 45,' 1848>,(3' 7,),' 4 ' &148',' &(;' 4 ' :215' &7&),' 9' 45,' :&((,)' 8(' 75815' 3215' 458(?3' 7,),' 7 (4' 4 ' A,' :&(&?,;' 8(' *),(1,' 4 '=,):84' 4583' 5,' 8?( )6' (7' =,(*6' &(;' 75 **6' 5 348*,' 4 ' 8,4) ' &(;' 45,' =),3,(4');,)' 9' 458(?3' 7,),' &*),&;6' &33,:A*,;' 8(' 45,' =&*&1,' 75,(' 8,4) '=2448(?' &' A *;' 9&1,' 2= (' 45,' :&44,)') ;,' 45845,)' 9) :' 45,' ,;81,&(' =&*&1,' 8(' 45,' 8&' &)?&' 7845' &' (2:A,)' 9' : 2(4,;' &44,(;&(43' &(;' &):,;' :,(' &4' 583' A&1@' &(;' =),3,(48(?' 58:3,*9' &4' 45,' ?),&4' ;)3' 75815' 7,),' 9&34' 1* 3,;' &(;' A&)),;' ;,:&(;,;' 45&4' 45,6' 35 2*;' A,' =,(,;' 4 ' 58:' ,' 348**' 8:&?8(,;' 45&4' 3 ' :215' 9' &245)846' 6,4' *8(?,),;' &) 2(;' 583' (&:,' 45&4' ((,' 9' 45,3,' 75 ' 7,),' 8(' 45,' =&*&1,L *;' &(;' 5845,)4 ' 9&84592** &;5,<),(43' 9' I583' 5 23,' ,',)6' (,' 9' 45,:L 7 2*;' ',(42),' 4 '),923,' 4 ' &;:84' 58:' 24' E&1 = ' ;,P ,)*8' (,' 9' 45,

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: &; ,' &' *&34' &44, : =4' 4 ' &33,)4' 45,' ,;8,,&2' &245)846' &(;' =24' ; 7(' 45,' 8(32)),148 (' A6' &' A *;' ,O,)183,' 9' 9)1,' 24' 84' ',)6' 3 (' A,1&: ,' &==&),(4' 4 ' 45, : ' 45&4' 45,' 5 =,' 7&3' '&8(' F' 5,' =, =*,' : 2*48=*8,;' 45, : 3,*',3' &?&8(34' 8,4) G' &3' B28118&);8(8' =5)&3,3' 84' &(;' 45,' &);8(&*' 8(' 45,' ;83< ?283,' 9' &' 9)8&)' 7&3' ?*&;' ,(2?5' 4 ' 98(;' 58 : 3,*9' 2438;,' 45,' 1846' ?&4,3' &(;' (' 45,' =,(' * ?(&') &;' 9 H'8(?' 45,' 3& : ,' =&45' &3' 8,4) ' 5,' 45,)' A) 45,)' B82*8&(' 75 ' 7&3' 348**' &' : ,),'*&;' &*3 ' 9 ** 7,;' 583' ,*;,)3' 8(4 ' ,O8*, (;' 4523' A,?&(' 45,' =,)8 ;' 9' 45,' ' 9' ,O8*,' 9' 45,' ,;818

'' #1,348' 4,36.14.8' ,5636' 4.69416' +,2' 444' 5' WW

j' %' :,*3=6' .,1' :,*.14.>' 1<6' 6D426' ,%' ,=),' 58163' 58134%%4' G<4:<' ,:B :*3369' E6%,36' <6' :,*29' E6' =849' 1,' <8+6' 81184.69' 1,' =*536)6' 8*1<,341;

$‘ %

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9&8*,;' 4 ' : ,,4' (;' 8,4) ' 32A3,D2,(4*6'&= * ?83,;' 4 ' 4*8,' 2@,' 9' 8*&(' 9)' 45,' 3,,:8(?' (,?*,14 ' A6' 4,**8(?' 58 : ' 45,' 1&23,' 9' 583P(4' 5&'8(?' 3,,(' 58 : ' 0 5,),2= (' 2; '81 ' D2818*6'&(37,),;' &3' 45,' 5834)8&('),1);3' ' F' ,3'M 84' 83' 1*,&)',(2?5' 45&4' (,')' 45,)' 9' 23' 5&3' :833,;' 583') &;'M A24' ' &:' 8(1*8(,;' 4 ' 458(@' 45&4' 84' 83' 6 2' 75 ' 5&',' :833,;' 6 2)3'M G L :,&(8(?' 45&4' 8(' 45,' 1)8481&*' 34&4,' 9' 458(?3 ' 75815' 45,' 1 (;214' 9' A 45' 9' 45,:' 5&;' A) 2?54' &A 24' 8(' 4&*6 ' 84' 7 2*;' 42)(' 24' 45&4' 8,4) ' 5&;' ; (,' 7)3,' 9)' 58 : 3,*9' 45&(' 5,' 2; '81 ' 5&;' ; (,' 9)' 58 : 3,*9 ' 3< 32),;*6 ' A 45' 9' 45,:' 5&;' ',)6' ?),&4*6' F :833,;' 45,8)') &;'M G' 45 2?5' 45,' 32A4*,' 2; '81 ' 7&3')8?54' ,(2?5'8(' H2;?8(?' &*),&;6' 45&4' 8,4) P3' ,)))' 7&3' 45,' :),' 9&4&*' 9' 45,' 47

5,' 1 (9238 (' 8(' *),(1,' &(;' 45,' 42 : 2*4' A 45' :' 45,' 34),,43' 9' 45,' 1846'&(;' 8(' 45,' :8(;3' 9' 45,' 1848>,(3' 5&;' A,,(' 4,))8A*,' &94,)' 45,' ;,=&)42),' 9' 8,4) ' (' 583' ,O=,< ;848 (' 4 ' &)>&(&' 4' 3,,:,;' 4 ' 45 3,' 75 ' 7,),' *;' ,(2?5' 4 '),:,:A,)' ;&63' (7' 38O46' 6,&)3' &? ' 45&4' 45,' *;' 48:,3' 5&;' 1 :,' A&1@' &?&8(' 8(' *),(1,' 5,' 1848>,(3' 1&:,' 24' 8(4 ' 45,' 8&>>&' &(;' 45,' *;' 1)8,3' F'0 'G' &(;'F'2 344 7,),' 5,&);' (1,' :),' (;' &):3' 7,),' (1,' &?&8(' 4 ' A,' 3,,(' 8(' 45,' 5&(;3' 9' 45,.' =, =*,' 4' 5&;' 9' 1 2)3,' A,,(' (,' :&8(' &(O8,46' 9' 45,' ,;818' 4 ' =),',(4' 45,' 1848>,(3' 9) :' = 33,338(?' 3215' ;&(< ?,) 23' =*&6458(?3 ' (;' 45,),'),:&8(,;' A24' 9,7'&):3' 8(' ' # " ' ' 45 3,' :,:)&A*,' ;&63' 75&4,',)' 7,&= (3' 1 2*;' A,'9 2(;' 8(' ?&)),4')' 1,**&)' 7,),' A) 2?54' 9)45' 8(4 ' 45,' 34),,43 C' *;' &):3' 9' ;8323,;' 9&358 (' :,:)8&*3' 9' &' A6? (,' ;&6 ' 7,),' 3,,(' &: (?' 45,' 1) 7;' &(;' &7&@,(,;'),:8(831,(1,3' 9' 45,' 48:,' 7;8,2' *),(1,' 5&;'(4' 6,4'@(7(' 45,', 5' ' ' ' #*

24' 8(' 45,' *;' 48:,' *,&;,)3' 5&;' (,',)' A,,(' 7&(48(?' 4

4*8,' =, =*,M &(;'84'5&;'A,,('',)6'1*,&)'4 ' ,',)6' :&(' 75&4' T
5,' 7835,;' (' 75815' 38;,' 5,' 7&3'4 ')&(?,' 58:3,*9' 75 ' -08
7,),' 583' 9)8,(;3' &(;' 75 ' 583' ,(,:8,3' 24' (7' &('
2(8',)3&*' 2(1,)4&8(46' &(;' :83?8'8(?' 7&3' 45,'=) :8(,(4'
9,,*8(?' 8(' ,',)6' :8(;' 4' 7 2*;' 5&',' A,,(',&36'9)' 45,'
= =2*&1,'4 ' :&@,'843,*9' :&34,)3' 9' 45,'1846'A24'45,),' 7&3'
(' (,'4 '?28;,' 45,' :&33,3')' 4 '75 :' 45,6'1 2*;'4)234 J
F' 5,' *;'=&)483&(3' 9' 8A,)46'7,),'&*: 34'&**' ;,&;'8(' 45,'
38O46'6,&)3' ;2)8(?' 75815' 45,' ,;81,&(' 32=),:&16' 5&;'
*&34,;' 5,'9,7'1848>,(3' 75 ' 348**' 5&;' &(6'@(7*,;?,' 9'
)'= 34'8(' 45,' :&(&?,:,(4' 9' 34&4,'&99&8)3'7,),' :,(' 75 '
5&;' &*7&63' *8',;' &3' &;5,),(43' 9' 45,' ,;818' (;' 45,'
:2*4842;,'32;;,(*6'*8A,)&4,;' 9) :' ;,3= 481')2*,' 1 2*;' ;'
9'843,*9'(458(?'A24'9&**'8(4 ' *81,(1,'&(;'&(&)156' 4' 7&3'
45,),9),' (,' 9' 45 3,'4,))8A*,' : :,(43' 75,(' (' :&(' 1&('
3&6'9) :' (,'5 2)'4 ' &(45,)' 75&4' ,O1,33,3' &(;' &4) 1848,3'
:&6'A,'1 : :844,;' 5,'= =2*&1,')&('4 ' &(;'9) '45) 2?5'
45,'34),,43' &**' ;&6'* (?' *8@,' &(' 8:=,42 23')8',)M 84' 1&34'
38(834,)' &(;' :,(&18(?' ?*&(1,3' (' 45,' ;7,**8(?3' 9' 45 3,'
1848>,(3' 75 ' 5&;' &112:2*&4,;' 7,&*45'A6'45,' ==),338 (' 9'
45,'=, =*,M' A24' 84' 9 2(;' (' ?28;&(1,' &(675,),' 3&',' &4'
45,'5 2)' 75,(' &**' 45,'1846'45) (?,;'45,' 2 : G'
' 5,),'8('45,'=,)3 (' 9' &' :8(81&('9)8&)'7&3'45,' (*6'
:&(' 75 ' 1 2*;' 8(' 45 3,' ;&63' ?8',' &(6'?28;&(1,')' 7&3'
1&=&A*,' 9')2*8(?'45,' :2*4842;,' (;'?),&4'7&3' 45,';,A4'
9' ?)&4842;,' 75815' *),(1,' 7,;' &' (&) *&' 9)' 45,'
:&((,)'8(' 75815'5,'23,;'45,'= 7,)'8(' 583' 5&(;3' F' =,'
8(1 (38;,)&4,' 7);' 9) :' 583' : 245 G' 1 (48(2,3') 9,33)'
8**&)8' F'7 2*;' 5&',' 329981,;'4 ' ?8',' 2='4 ' 3&1@' &(;'=8**&?,'
45,' 7,&*458,)' 1848>,(3' 5 23,3'4 '),=)A;21,'45,' *;' 31,(,3'
9'8(4,348(,' 7&)9&),' &(;' 1&23,' 45,' 3=8**8(?' 9')8',)3' 9'
A* ;')' 45,'=, =*,' 5&;' 3299,),;' :&(6' C) (?3' &(;'
45,'458)34'9)' ',(?,&(1,' 7&3' ?),&4 G' 24'8('45 3,'1)8481&*

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(UXU : : ,(43' &' (&) *&' 7&3' &3' =)2; ,(4' &3' 5,' 7&3' 98,)6' &(;' 8 : =&338 (,;' &4' (,,;' ' 7);' ,31&=,;' 583' *8=3' 3&',' ,05)4&48 (3' 4 ' 15&)846' : ;,)&48 (' &(;' &A ',' &**' 18'8*' 2(846' (;'84' 7&3' &332),;*6' ;2,'4 '58:'45&4'&'),' *248 (' 75815' 45,),' 7&3' ,',)6'),&3 (' 4 ' 9,&)' 7 2*;' 5&',' A,,(' &11 : =*835,;' & : 8;' ;83);,)' &(&)156'&(;'A* ;35,;H('45,' / 8&>>&' 7&3' A) 2?54' 4 ' =&33' &3' 5&3' A,,(' 3,^(' 7845'1 : < =&)&48',');,)' &(;'9),,; :' 9) :',01,33,3

0 845' " " ' 9),,; :' 9) :',01,33' &(;' 7845' ',)6' : 215' *,33' 45&(' :8?54' 5&',' A,,(',0=,14,;' 9) :' 45,' 18)< 12 : 34&(1,3')' &3' 3 (' &3' 84' A,1& : ,' ?,(,)&**6' @(7('8(' 45,'1846' 45&4' 45,' ,;818' 5&;' *,94' 84' 9*68(?' 9)' 45,8)' *8',3' &(;'45&4'45,' 8?( )6' 5&;' =) (2(1,;' 45, : ' 24*&73' 7845' &'),7&);' 9'98',' 45 23&(;'9*)8(3'4 '75 3 ,',)' 35 2*;' 1 (< 38?('8(4 '45,'5&(;3' 9'45,' :8?834)&4,3',845,)' 8,4) ')'583' A) 45,)'45,' &);8(&*'&*8',')' 9'47 '45 23&(;'9*)8(3'9)'45,8)' ;,&;' A ;8,3'45,'= =2*&1,')235,;' 7845'(' *,33'&' :&('45&(')&(1,31 ' &*)8' &4' 45,8)'5,&;' 4 ' 45,'=&*&1,' 9' 45,' ,;818' 8('45,' 8&' &)?&'&(;'3&1@,;'84'9) :') 9' 4 ' 1,**&)' 5,6' 3&1@,;'&(;'A2)(,;'45,' 5 23,3' 9' 583'8(48 : &4,' : 8(834,)3 L' (4 (8 '3 (' 9' ,)(&); ' ;,*' ,) ' &(;' ,33,)'B8 '&((8';&')&4 ',1158 ' (;'84' 7&3' (*6' 75,(' 45,6' 7,),' (' 45,' = 8(4' 9' A2)(8(?' &' 458);' 5 23,' 45&4'Y 9' ,33,)' ?(* .' 811 *8(8'45&4'3 :,' 9'45,' :)=' 8(9*2,(48&*' 1848>,(3' 9' 45,' = =2*&)' =&)46' 3211,,;,;' 8('),34)&8(8(?' 45,' 92)6' 9' 45,' : A' F9,&)8(?' 45&4' 4583' *81,(1,' ' ' ' ' " ' "' ' ' 6'&(6' (,'75 '3&7' *),(1,'8('843'45,(' : ;' 84' 7 2*;' 5&',' A,,(' H2;?,;' 45&4' 45,' = 338A8*846' 9' &(6'),34)&48 (' 9' 45,' ,;818' 7&3'), : 4,' 8(;,,;' ,)(&); ' ;,*' ,) ' &(;' 811 *A' 8; *98' 3,,8(?' 5 7' 45,' 48;,' 7&3')2((8(?'&(;' 5 =8(?'45&4' 84' :8?54' (4'6,4'A,' 4 ' *&4,' 4 ' :@,' &' 32;;,(' 4&1@' &(;')2(' A,9),' 45,' ?&*,') ;,' 8(4 ' 45,' 8&>>&' &4' 45,' 5,&;' 9' &' A ;6' 9' &) :,;' :,(s'1)68(?

J' 5,'7);3'A24'(4'45,'84&*813' &),'45 3,' 9'B28118&);8(8

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8 ‘ &*: 34‘ 7845‘ ;,3=&8)‘45&4‘45,‘*&34‘&14‘ 9‘45,‘46)&(4‘5&;‘ ;83:,:A,),;‘ 4*8,‘ 4,))84)6‘ 9‘ 45,‘ : : (7,&*45‘ &(;‘ 34)8==,;‘45,‘4(&H,346‘ 9‘ *),(1,‘ 9‘H43‘ : 34‘8:=)4&(4‘&(;‘ '&*2&A*,‘ ;,=,(;,(18,3‘ 5&)*,3‘ 5&;‘),&15,;‘ 83&‘ (;‘ 45 2?5‘45,‘&))&(?,:,(4‘:&;,‘A6‘58:‘.7845‘ 8,4) ‘5&;‘ (*6‘ ‘1 (4,:=*&4,;‘=*&18(?‘45,‘ 83&(‘ 9)4),33,3‘8(‘45,‘5&(;3‘ 9‘ 45,‘),(15‘&3‘&‘4,:=)&)6‘?2&)&(4,,‘),3,)'8(?‘4‘45,‘ *),(48(,3‘45,8)‘32=),:&16‘ ',)‘45,‘1846‘&(;‘843‘4,))8< 4)6‘84‘ ‘3 (‘A,1&:,‘ ,'8;,(4‘45&4‘45,‘ ,'8*‘7&3‘&‘9&)‘ ?),&4,)‘ (,‘45&(‘45&4‘ (‘45,‘1 2)3,‘ 9‘45&4‘ ',)6‘98)34‘ ,',(8(?‘&94,)‘583‘&))8'&*‘8(‘ 83&‘&‘ ;,=24&48 (‘ 9‘ 83&(‘ 1848>,(3‘=),3,(4,;‘45,:3,*',3‘A,9),‘45,‘@8(?‘8:=*)8(?‘ 58:‘4‘),34),‘4‘45,‘1846‘843‘&(18,(4‘*8A,)46‘&(;‘9),,‘84‘ 9) :‘45,‘ *),(48(,‘6 @,‘ 5,6‘3= @,‘,* D2,(4*6‘ 9‘45,‘ =&34‘?*)8 23‘5834)6‘ 9‘ 83&‘ 9‘843‘&(18,(4‘32=),:&16‘&(;‘ 45,‘58?5‘=*&1,‘84‘ (1,‘5,*;‘&: (?‘45,‘1848,3‘ 9‘ 2) =,‘ &(;‘ 9‘45,‘1 :=&)&48',*6‘),1,(4‘&(;‘2=34&)4‘&??)&(;8>,< :,(4‘ 9‘ *),(1,‘ 5&)*,3‘@(,7‘*844*,‘&(;‘1&),;‘*,33‘ &A 24‘45,‘&(18,(4‘?*)8,3‘ 9‘ 83&‘&(;‘45,‘),*&48',‘= 3848 (‘ 8(‘75815‘45,‘47 ‘1848,3‘ 9‘45,‘)(‘5&;‘ (1,‘34 ;‘4 7&);3‘ ,&15‘ 45,)‘ 24‘84‘ 7&3‘ ,&38,)‘ &(;‘=*,&3&(4,)‘4‘3&6‘ F‘6,3‘P1 45&(‘4‘3&6‘F‘(‘G‘4‘45,‘,* D2,(4‘,(4),&48,3‘=9‘45,‘ 83&(‘)&4)3‘ 75‘7,),‘ &332)8(?‘58:‘45&4‘5,‘7&3‘45,‘ ?),&4,34‘ 9‘ :)4&*‘:,(‘&(;‘45&4‘45,8)‘5 =,‘2(;,)‘5,&',(‘),34,;‘8(‘58:‘&* (,‘ ‘758*,‘&**45&4‘5,‘1&),;‘&A 24‘8(I‘ 45,‘:&44,)‘7&3‘45,‘=*&18(?‘ 9‘&‘3299818,(4‘),(15‘?&))83 (‘ 8(‘45,.184&;,*‘&(;‘4523‘&332)8(?‘4‘58:3,*9‘45,‘32A34&(48&* 1 : :&(;‘ 9‘45,‘1846‘ 5&)*,3‘3&8;‘F‘6,3M G‘ ‘ ‘ ‘ ‘&(;‘ 45,‘),' *248 (‘75815‘),34),;‘*8A,)46‘4‘ 83&‘&(;‘2(;8;‘ 45,‘7)@‘84‘5&;‘1 34‘45,‘ *),(48(,3‘6,&)3‘ 9‘34)2??*,‘&(;‘ : 2(4&8(3‘ 9‘4),&32),‘4‘ &11 :=*835‘7&3‘1 :=*,4,;‘8(‘&‘ 9,7‘ :8:)4,3‘3‘45) 2?5*6‘45&4‘45,‘),(15‘E ',‘ 5 3,.‘ (;‘7&3‘4523‘35&@8(?‘45,‘3=5,),3‘5&;‘4‘3,(;‘8(‘&**5&34,‘ &‘?2&);‘ 9‘3 *;8,)3‘4‘3&',‘45,‘*8',3‘ 9‘45,‘ *),(48(,3‘75‘ 7,),‘),38;8(?‘8(‘ 83&‘8(‘ 99818&* = 3848 (3‘9) :‘45,‘2(.

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C&A ',' 45,' 1),34' 9' ,&15' 3211,338',' 58** J' ,',)< 45,*,33' 5&)*,3' 5&;' :83?8'8(?3' &A 24' 583' &==) &15' 4 ' *),(1,' ,' 7&3' &7&),' 45&4' &94,)' 45,' ;,=&)42),' 9' 8,4) '.45,'75 *,'1846'5&;'),:&8(,;'&(;'7&3'348**'8('&):3'M &(;'5,'9,&),;'45&4'&';83&34,)':8?54',(32,'9) :'= 2)8(?'583' 4) =3'8(4,)'45,':8;34' 9'&('&):,;'&(;',0184,;'= =2*&48 ('&(;'8(4 '45,'(&)) 7';,98*,3' 9'&'1846'8('75815',',)6'5 23,'7&3'&'9)4),33C

('45,' 45,)'5&(;'45,' *),(48(,3' 5&;' &*3 ':&(6':83<?8'8(?3' &(;' ;2A43' &3' 4 '45,'8(4,(48 (3' 9' 5&)*,3' 7845'),?&);'4 '45,8)'1846' 5,'&14'5,'5&;' ;(,'&4' 83&'),(;8(?' 9) :'45,' *),(48(,3'45,8)' :34.=)8>,;'= 33,338 ('&(;'8(' 45,8)':8(;3'&*:34'89'(4'D284,';:8(?'45,'1846'4 ')28('7,(4'&'?),&4'7&6'4 7&);3';83=38(?'45,' *),(48(,3.'4 '),?&);'58:'&3'&(',(,:6' 5,'8(9,),(1,3';)&7('45,(1,'7,),' :215'34) (?,)'45&('45,'9&143'8('),&*846'7&))&(4,;' 5&)*,3'5&;';(,'45,';,,;'75815'4 '45,' *),(48(,':8(;'3,,:,;'3 '9&4,92*' &(;'4,))8A*,' &*:34'7845 24'@(78(?'75&4'5,'7&3';8(?'&(;'=) A&A*6'7845 24'&4'&**2(;,)<34&(;8(?'45,'),&*'(&42),' 9'45,'A ('45,'83&(3'7,),'&3@<8(?' 9'58:' B28118&);8(8'458(@3'45&4'45,'),(15'@8(?'75,('5,'*,94' 83&'4 ':&)15'4 7&);3' *),(1,'),&**6'5&;'45,'8(4,(48 (' 9'3&1@8(?'45,'*&44,)'1846 L &(8(4,(48 ('75815'5,'&A&(;(,;' (*6' (' A4&8(8(?'8(9):&48 (' 9'45,'&):,;'&44842;,' 9'45,'1848>,=3 9' :,'45 2?54'45&4'5,':,&(4'4 ':&@,'58:3,*9' 3 ',),8?(' 9' *),(1,'&(;' 45,)3'45&4'5,'0C2*;'1 (4,(4'58:3,*9'7845'),=*&18(?' 8`4) '&(;'45,' ,;8.'1,&(' ;6(&346' :A&33&;)3' 7,(4'4 ' &(;' 9)' A,47,,(' *),(1,'&(;' 8?(&' ('A,5&*9' 9'A 45'=&)48,3'' &(;'84'7&3'&4'*&34'&?),,;'45&4' 5&)*,3' 35 2*;'98(;'45,'1846'?&4,3' =,('4 '58:'&(;'35 2*;',(4,)'45,:'8('9)8,(;*6'?283,' ,';8;'3 ' (' 2(;&6'45,' N45' 9' ',:A,)' - -' I

F' ' ',)6':&?(8981,(4' ;,1) 23'&(;'A,&24892*'458(?'7&3

"' #4=),.94' 4=1,436'96=' 38.n84='+,2 D+'89'8..'WUXU'

%' *4::48394.4'#1,348' 4,36.14.8',5636'4.69416'+,2'444'5'WW

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&?&8(34&(232)=8(?&(;,'8*.;8(?46)&(4&4 *),(1,
(;&3 3215 45,*8A,)&* =&)46 8(*),(1,7 75815 45,
,01,33 9 8,4) P3 =,)3 (&*2(= =2*&)846&(;A&;8?',)(<
:,(45&;:&;,9)45,48:,,D2&*4 (,&)*645,75 *,
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58: 24 894 5,F *&?,**2: ,8G 3 9&) 9)? 4 583
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" ' : &8(*6 4 45,8) ==),33,;32AH,143 L 756 45,
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4 A,),?&);,;8(&',)6 ;899,),(4*8?54
(;45,),7,),',)6 2?*6 36:=4 :3 9 3215 :839,&3&(1,
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L 75 (,04 4&@,3 84 2= (58:3,*9 4 ;,4&15 9) :23 2)
;,=,(;,(18,3 L 2)3 &4 45,,O=,(3,9 3215* (?6,&)3 9
34)2??*,3 :215 A* ;&(;75&4 83 A,44,)),:,:A,),;
3 :215 : (,6ML 75 45,(4&:=,)3 7845 45,92?848',
46)&(4 75 :7,5&',=) (2(1,;&(24*&7ML &(;*&34*6
&(;: 34 8**.* @8(? 9 &** '5),1,8',3 2)&:A&33&;)3
7845 342;8,;1 *;(,33 &(;,'&;,3 &** 9)&(@ &(;;,1838',
34&4,:,(4 7845),?&);4 583 8(4,(48 (34 7&);3 23 ML 3215
&'8384)7845 2=7&);3 9 47,(46 45 23&(;&):,;:,(&4
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&' (&) *& 75 5&;3=@,(7845 45,@8(?&4 83&&94,)
45, 45,)&:A&33&;)3 5&;D2844,;583 =),3,(1,&(;5&;
8(;8(?3 :80,;3=*,(;8;=) :83,3 8(1&3,5, 35 2*;
1 (98(,58:3,*9 8(4&*6 4 45,=) =,)92(148 (3 9 &(" 7
' . 7845 ;),&;92* 1 ::8(&4)6 7&)(8(?3 9 45,
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1 (;214 L &' (&) *& ;,,:,;45&4 5,5&;=) ;21,;&
= 7,)92* ,99,14 (45,@8(?P3 :8(;&(;5 =,;45&4 45,
1 :8(? 9 45,8('&;8(?&):6 7 2*;A,&A*,338(?4 4&*6
(;45,=, =*,45,),9),7,),8(1*8(,;4 5 =,&3 45,8)

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=) =5,4' &(;' *,&;,)' 5 =,;' 48**' :&44,)3' ;8;' (4' * @' 7,**' 45,)' &:A&33&;)3' 5&;'&3' 7&3' 3&8;' A,,(' 3,(4' 4 ' 45,'@8(?' ;2)8(?' 45,3,' ;&63' 9' 583' 34&6' &4' 8?(&M A24' 45,6' 5&;' A,,(' &A*,J4 ' A4&8(' 9) :'58:' (' 3&4839&14)6';,1*&)&< 48 (' 9'583'8(4,(48 (3' 4 7&);3' *),(1,' (;';2)8(?'45 3,' ',)6' 3&:,' ;&63' 5,' 5&;' 3,(4' 99' :,33,(?,)3' &94,)' 45,' 92?848',' 8,4) ' 7845' 99,)3' 4 ' 4&@,' 58:' A&1@' 7845'58:' 4 ' *),(1,' 583' ;8;' (4' * @' &3' 89' 45&4' ;,(2(18&4)6' &;;),33' 9' 45,'9)8&)' 4 '45,' @8(?' &4' 83&'5&;' =) ;21,;' &** 45,',99,14' 75815'45,'9):,)'9*&44,),;'58:3,*9'84'5&;'A) 2?54' &A 24'&(;' 4 ' 75815' 45,'9)8&)P3' A8 ?)&=5,)' 3,,:3' 8(1*8(,;' 4 ' &44)8A24,' (' *,33' ,9981&16 J' ' &** 45,',(;,&' 2)3' 9' 45,' *),(48(,'&:A&33&;)3'4 '8(;21,'58:'4 '38?('&'4),&46')'4,):3' 9' 2(;,)34&(;8(?' 7845' *),(1,'45,' (*6'&(37,)' 45&4'1 2*;'A,'? 4'9) :'45,'@8(?'7&3'45&4'5,'7 2*;'&))&(?,' ,',)64584(?'75,('5,'),&15,;'F'45,' ?),&4' 1846'G L F'*&' ?)&('

" '&3' 45,' 4&*8&('5834)8&(3' =),3,)'8(?' (4' 7845 24' &' 3(,,)'45,') 6&*),(15. 4&*8&('5&','),1);,;9

(;,)' 45,3,' 18)12:34&(1,3'84'83' ',)6',&38*6' 2(;,)34 ;' 45&4'45,' :&?(8981,(1,' 9'45,'@8(?P3',(4)6'8(4' 45,'1846'7845' 583' &):6'35 2*;' 5&','A,,(' &3' B28118&);8(8' 3&63' F' ' " "'G L (4',(H 6,;'7845' :215'?234 'A6'45,'1848>,(3

4' &** ,',(43' 45,') 6&* =,)3 (',';(' 2(;,)' 45,' : 34' :&?(8981,(4' 9'1&(=89,3' ;8;' (4' 1 (4)8A24,' :215'4 ' 45,' 8:=),338',(,33' 9' 45,' 35 7 ' 5&)*,3' 7,' &),'4 *;' 7&3' 9' 7,&@*6'1 (3484248 (' 9' 3:&** 34&42),'&(;'&*: 34';,9):,;' 8(' &==,&)&(1,')' 1 2*;' 583'),1,=48 (' 9' 45,' *,&)(,;')&48 (' 9' 45,' ,1),4&)6' 9' 45,' : : (7,&*45' 5&','A,,(' 9' :215'8(4,),34'4 '45 3,'75 '7,),' 3 ' ,&?,)*6'784(,338(?' 84 ')' 45,'),(15' : (&)15' F'7&3' 31&)1,*6' &1D2&8(4,;' 7845' 45,' *,44,)3' 9' 45,' &*=5&A,4M 5,' 5&;' (,845,)' 3,(3,' ( )' H2;?:,(4M 5,' 7&3' ?),,;6' 9' = 7,)' A24' 8(1&=&A*,

9' : &8(4&8(8(?' &(6' 3, : A*&(1,' 9' : &H,346' 8(' A83' ; ,=)4.' ' : , (4 G' J

5,' ,(4)6'5 7, ',)' 9'45,'),(15';) : 6'4 @'=*&1,' 7845 24' ?8'8(?')83,' 4 ' &(6' ;8342)A&(1,')' A),&15' 9' 45,' =,&1,' 75815' 7&3' :),' 45&('3 : ,' 9'45 3,' 75 ' 784(,33,;'84' 5&;' ',(42),;'4 ' ,O=,14' 5,' @8(?' : &(89,34,;' &' ;83= 3848 (' 4 ' A,' 1 2)4, 23' 3&63' B28118&);8(8 Q' F'8(' 45&4' 75,('1,H.4&8(' 9' 45,' 8?(86'7,),' &A 24'4 ' 4&@,' 45,' A)8;*,.),8(' 9'5833' 5)3,' (' ,845,)' 38;,' &(;' 4523' *,&;' 58 : ' 45) 2?5' 45,' 1846' &11);8(?' 4 ' 45,' 232&*' ,48D2,44,' (' 38 : 8*&)' 11&38 (3' 5&)*,3' 7 2*;' A6' (' : ,&(3' &** 7' 45, : ' 4 ' ; ' 3 ' **' 75815' " ' 5&',' =) 1,,;,;' 9) : ' 45,'),(15' @8(?P3' : ;,34' ;,38),' 4 ' ;,1*8(,' 3 ' ?),&4' &(' 5 (2)' &4' 45,' 5&(;3' 9' 45,' *),(48(,' : &?834)&4,3' &3' 45,' *),(48(,' 5834)8&(' 45 2?54' 24' : &6' 84' (4' &*3 ' 5&',' A,,(' 32??,34,;' A6' 5&)*,3P3' 2(78**8(?(,33' 4 ' 98(;' 58 : 3,*9' 4523' 9*&(@,;' =8H' ,845,)' 38;,' A6' =,)3 (3' 9' 75 :' 5,' @(,7' (458(?' 3&',' 45&4' 45,6' 7,),' 45,' 158,93' 9' &' 1846' 583'),*&48 (3' 7845' 75815' 7,),' 9' 3 ' ',)6' ; 2A492*' &(;' =),1&)8 23' &' @8(;'Ъ &6' (4' 583' &H,346' 3 ' 3 : &**' 9' 34&42),' 3 ' 7,&@*6' &3' 5,' 7&3' 5&',' (4' 2(),&3 (&A*6' =),9,)),;' &3' 5,' =&33,;' 2(;,)' 45&4' 9) 7(8(?' &(;' ?)8 : ' *;' ?&4,7&6' 4 ' 5&',' (' ,845,)J38;,' 9' 58 : ' 3 : ,' 9' 583' (' 34&*7&)4' @(8?543' &3' 583' 32==)4,)3'b)' 84' 83' ',)6',' '8;,(4' 45&4' 45,' =),'&8*8(?' 9,,*8(?' 9' ;834)234' 7&3' : 242&*' 5,' @8(?' 7&3' &* : 34' &3' : 215' &9)&8;' 9' 45,' *),(48(,3' 2(;,)' 45,' 18)12 : 34&(1,3' 8(' 75815' 5,' 7&3' (7' =*&18(?' 58 : 3,*9' &3' 45,6' 7,),' 9' 58 : ' (;' 5,' 5&;' 9&8)'),&3 ('9)' A,8(?' 3 ' ,' 7&3' &;'&(18(?' 8(4 ' 45,' 5,&)4' 9' &' 1846' 75815' 5&;' A,,(' A28*4' 8(' 843' &* : 34' ,',)6' =&)4' 7845' &' '8,7' 4 ' 45,' ,',(42&*848,3' 9'34),,4' 7&)9&),' 8(' 75815' ,',)6

Z' #66' 1<6' 8: :,* .1' ,%' 3,%6==,3' O422834' G<,' <8=' =*)) 834=69' 1<6' 36: ,39=' ,.' 1<4=' =*EI6:1' ,% 1<6' :,.16) 5,383;' G34163=' 418' 94' #8+,.83,28' +,4' 4' 5' W '

4' F' 3U' 2('3,?(';P 2 : &(84V G' 4)8&' 8),(48(&' =,),'8(,;84,' ' 8'888' 5' WWY

D E

5 23,7&3 :),)*,33&9)4),33&(;45,=)8(18=&* 5 23,3 ,)6 9):8;&A*,9)4),33,3ML&1846 9 (&)) 7 4)42 23 34),,43 ',)52(?A6 * 946 A,,4*,.A) 7,;A28*;8(?3 9) : 45,2==,)34D)8,3 &(;) 93 9 75815 45,8(5&A84&(43 7845 24 45,)&8;:8?54 5&',;,34) 6,;58:&(;&** 583 &):6 5&;98448(?=),=&)&48 (3 9)45,,O,1248 (9 3215 &=28P= 3,A,,(:&;, (;8(=8(4 9 9&14 45,),7,), *&)?,A ;8,3 9 &):,;:,(1848>,(3&(;45,8(5&A84&(43 9 45,F " G 58;;,(8(45,152)15,3&(;: (&34,)8,3),&;6 4 &14 8(1&3,45,1 (;214 9 45,34)&(?,)3 35 2*;A, 3215&3 4 :&@,84 (,1,33&)6

5,),1&(A,*844*,;2A4 8(;,,;45&4 5&)*,3 7&3 1 : :8448(?&:8*84&)6 9&2*4 8(4523 4)2348(?58:3,*9&(; 583 &):6 4 45,15&(1,3 9 3215&3842&48 ((;84 83 =) A&A*,45&4 45,),(15*,&;,)3 7,), (*6 8(;21,;4 ;3 A6 45,=),'&8*8(?9,,*8(?75815 5&;A,,(?,(,)&4,;8(45,&):6 A6 45,8) ,O4)&);8(&)6 2(==3,;&;'&(1,9) :45, *=3 4 45,',)6 1,(4), 9 4&*6 45&4 45,6 7,), :&)158(? 8('814)8 23 4)82:=5 45) 2?5&1 2(4)6 75815 *&1@,;A 45 45,=7,)&(;45,78** 4 78453 4&(;45,:&(;45&4 45,6 7,),8(;,,;8(34)2:,(43 8(45,5&(;3 9 &(',).)2*8(? I=7,)C(75 3,;,1),,3 84 7&3 7)844,(45&4 45,A,&24892* 1 2(4)6 45,6 5&;3 &);,(4*6 1 ',4,;7&3 8(;,,;4 A,1 :, 45,5,)84&?, 9)&(1,vJC . '4 "(" 8 (; 75,(,; ,3 3 &94,)&9&358 (3 45) 2?5*6 78458(45, 31 =, 9 &),(15&):6P3 1 :=),5,(38 ( ),(15:,(&), &=4 4 9,,*=8 23

5&)*,3 &(;583&):6 :&)15,; (8(45,=&45 9 :&(89,34 ;,348(6 2(;,)45,4 7,),;?&4,7&6 9 &(),. ;8&(45 2?5 (4 7845 24 3 :, :83?8'8(?M &(;45, 1848>,(3 7&415,;45,:&3 45,6 ;8;3 7984 5&12)8 23*6 38:8*&) :8O42), 9 5 =,&(;9,&) 5,34)&(?,)3 =&33,;

"* ,3 1<6 6D16.1 1,G<4:< 1<4= 563=*8=4,.536+84269 4.1<6 38.H= ,% 1<6 36.:< 83);=66 O422834 O418 94 #8+,.83,28 24E 44 :<85 4

(' 45) 2?*8' 45,')? ' &('),;8&(' 45,' (;&118 ' J' &(' E&1 = ' &(;' 3 ' ',)' 45,' (4,' ,1158 ' 4 ' 45,' 8&>>&' ;,**&' 8?( )8&' &(;' 45,(1,' 4 ' 45,' 2 : H' 75,),' 5&8P',3' &*8?54,;' 4 ' '8384' &(;'),',),(1,' 45,' 58?5' &*4&)' 2(48(?' &?&8(' &94,)' 4583' &14' 9' =8,46 ' 5,' =) 1,,;,;' 45,' 35)4'),:&8(8(?' ;834&(1,' 9) :' 45,' &45,;)&*' 4 ' 45,' &*&1,' 9' 45,' ,;818' 9' &4' 45,' A 44 :' 9' 45,' 8&' &8.?&' 75,),' &=&)4:,(43' 5&;' A,,(' =),=&),;' 9)' 58: L 45,' *&44,)' =&)4' 9' 583' =) ?),33' 5 7,',)' A,8(?' :&;,' 7845 24' &(6' 1&(=6M L 45&4')815' =8,1,' 9' 2=5 *34,)6' 5&'8(?' A,,(' :&;,' A 46' 9' A6' 45,' = =2< *&1,' 758*,'45,'@8(?' 7&3' &4' 583' 35)4';,' 48 (3' F' &11);8(?' 4 ' &(18,(4' 1234 : G' &3' *;' E&1 = ' &);8' 4,**3' 23-

(' '&8(' ;8;' 45,'),(15:,(' 34)8',' 4 ' 1 (1,&*' 45,8)' &34 (835,;' &;:8)&48 (' 9' &**' 45,6' 3&7 ' 5,6' 7 2*;' 78**8(?*6' 5&',' &; =4,;' 45,' ' " " ' 34 8183:' 9' 45,'),;' (;8&('M 9)' *8@,' 58:' 75,(' A) 2?54' 8(4 ' 45,' =),3,(1,' 9' 45,' 7584,' :&(' 45,6' 9,*4' 45&4' 45,' 32)=)83,' 75815' 45,6' 1 2*;' (4' 32==),33' 7&3' &' 4,34885 (6' 4 ' 45,' 32=,)8)' 18'8*8>&< 48 (' &(;' 3=*,(; 2)' 9' 45,' 4&*8&(' *89,' &(;' &' 1 (9,338 (' 9' 45,' 1 :=&)&48',' :,&((,33' &(;' = ',)46' 9' &**' 45,6' 5&;' *,94' &4' 5 :,' ,',)' A,9)' 5&;' 45,' : (&)15' 9')&(1,' 3,,(' &' ;7,**8(?' 4 ' A,' 1 :=&),;' 4 ' 45,' *),(48(,' :,)15&(4P3' 5 23,' 8(' 75815' 5, 7&3' (7'),1,8',;' 4',',)6' 9),35' '834&' 9' 45,' 34),,43' &(;' =8&>>&3' 9' 45,' 1846 ' 75815' 45,8)' =&33&?,' 45) 2?5' 84' =,(,;' 4 ' 45,8)' ,6,3 ' 45,'),(15' @(8?543' &(;' 3 *;8,)3' 1 2*;' (4'),=),33' 45,8)' &34 (835:,(4' &4' 45,' : &338',' ?)&(;,2)' 9' 45,' A28*;8(?3' (' &**' 38;,3 'C

(;' 78458(' &' ;&6')' 47 ' &(' &118;,(4' 11:P),;' 75815

Z' <6' =13661=' G<4:<') *' 82,.>' 1<6' E8.H' ,%' 1<6' 3.,' ,.' 1<6' =,*1<63.' ,3' 21383.,' =496' ,%' 1<6' 34+63' 836' =,' :82269' <6' 163)' <8=' 36%636.:6' 1,' 1<6' =*E=,42' G,3H=' .6:6==83;'%,3' 1<6' %,*.9814,.' ,%' 1<,=6' E*4294.>' ,.' 1<6' 34+63' E8.H

j' <81'.,G'H.,G.' 8=' 1<6' 82877,' 4::8394

T' =1,348' 4,36.14.8' +,4' 4' 5' U ' 6941' 436.76' W U '

i' O422834' 24E' 44' :<85' 444'^ *4::48394.4' #1,348' 4,36. ' :<85' D44'^ 34)8,' 8),('89'&((' - -

8 ' (4' (*6'&34 (835,;' 45,:' A24' 1&))8,;' &' 3&*24&)6' 7&)(8(?
- -' 75815'8(' &*# =) A&A8*846' 7&3' (4' 7845 24' 843' 23,
8(' 1 (4)8A248(?' 4 ' 45,' 2*48:&4,*6' =&18981' 4,):8(&48 (' 9'
4583' =,)8* 23' 8384' ' 32;;,('),=)4' 7&3' 3=),&;' 45) 2?5'
45,'1846'45&4' 8,4) ' ;,P ,;818' 5&;'),42)(,;'&(;' 7&3' &4'
45,' ?&4,3' 7845' &(' &): ' 9 ** 78(?' &A 24' 4 ' &44,:=4'
4 '),32:,' 583' = 3848 (' 8(' 45,' 1846'A6'9)1,' 5,'A,**' 9'
45,' &*&>> ' ,1158 9 ' A,**' 9' *),(1,'3,(4'&32;;,('
&(;''8 *,(4'=,&* ',)'45,'1846' (34&(4*6'45,'34),,43' 7,),'
37&):8(?' 7845'1848>,(3' 5,' ,&)45'3,,:,;'4 ' 3,(;'9)45'
&):,;' :,(' (' (,' :,(4'45,'35 =3' 7,),' 3524'M &(;'
,',)6' =&*&1,' 42)(,;'8(4 ' &' 9)4),33' 5,' 4 7,)3' 7,),'
&):,;' &(;' =),=&)&48 (3' :&;,' 9)' 1* 38(?' 45,' 34),,43'
&11);8(?' 4 ' 45,' *;' *),(48(,' 1234 :' 8(' 48:,3' 9' 18'8*'
;834:PA&(1,' (' 45&4';&6'&3') 9,33)' 8**&)8'),:&)@3'45,'
),(15:,(' 5&;' 45,8)' 98)34' ,O=,)8,(1,' 9' 1846' A&))81&;,3'
5,' (,73' 7&3' 9&*3,' 5 7,',)' &(;' 7&3' 3 (' ?,(,)&**6'
@(7(' 4 ' A,' 3 ' (;' 45,' ,99,)',31,(1,' 32A38;,;' &3'
)&=8;*6'&3' 84'5&;')83,(' 24'45,' 18)12:34&(1,'5&;' ?8',('
45,' 34)&(?,)3' &' 58(4' 9' = 338A8*848,3' 75815':&;,' 843' ;2,'
8:=),338 (' (' 45,:
(' &(45,)' 11&38 (' &' D2&)),*' 75815'&4' 98)34' 45),&4,(,;'
4 ' *,&;' 4 ' 3,)8 23' 1 (3,D2,(1,3' A) @,' 24' A,47,,(' 45,'
4 7(3:,(' &(;' &' =)48 (' 9' 45,'),(15' &):6' 5,' 7833'
3 *;8,)3' 75 ' 7,),' * ;?,;' 8(' 45,' (,8?5A 2)5 ;'' 9' 45,'
)4&' &*)&4 L C45,' ?&4,'45&4' * @3'4 7&);3'45,' :;,)('
&318(, L 5&'8(?' 1 (1,8',;' 3 :,' 323=818 (')' 45,)'
&44,:=4,;' 4 ' 9)1,' 45,8)' 7&6'45) 2?5' 45,' * (?' 34),,4'
*,&;8(?' 9) :'45&4' ?&4,'4 '45,'1,(4),' 9' 45,'1846'1&**,;'45,'
)?P ?(83&(48' 7845' &' '8,7' 9'),&158(?' 45,' $8(?P3'
* ;?8(?3' 24' 45,' &)483&(' 8(5&A84&(43' 9' 45&4' 4581@*6'
= =2*&4,;' =&)4' 9' 45,'1846' (4' 7,' 2(;,)34&(;8(?' 45,'
=2)= 3,' &(;' AH,14' 9' 45,' 34)&(?,)3' 7 2*;' (4' =,):84'
45,:'4 '=&33' '34):' 9' :8338*,3'9) :'45,'78(;73' &(;'
) 93' ;) ',' A&1@' 45,'3 *;8,)3' 8('1 (9238 (' &(;'1 :=,**,;

45, : 4 ; ,3834 9) : F4583 8(32*4G4 45, 1846 &3 *; &) ;8 ! WUXU
1&**3 84 J 5, 98?54 *&34, ; 5 7, ',) :), 45&(&(5 2)
&(; 7&3 (*6 32==),33, ; &4 *&34 A6 45, 8(4,) ', (48 (9 45,
32=,)8) 9981,)3 (45, (, 38; , &(; 9 3, ',)&* 8(9*2, (48&*
1848>, (3 (45, 45,) &**, D2&**6 1 (318 23 9 45, =&)& : 2(4
8 : =)4&(1, 9 =), ', (48(? &(6 3215 24A), &@ 9) : &332 : 8(?
*&)?,) =) =)48 (3
,&(48 : , ; ,A&4,3 75815 :), 45&((1, 45), &4, (, ; 4
; ,?, (,)&4, 8(4 =, (D2&)), *3 7,), ? 8(? (A, 47, , (45,
$8(? &(; 45, 8?( )6), 3=, 148(? 45, 1*&8 : 3 75815 5, 1 (<
1,8', ; 45&4 583 = 3848 (', (484*, ; 58 : 4 : &@, (45, 1846
5, 789, &(; : 45,) 9 8,4) ; , ; 818 A 45 =)8(1,33,3
9 45, 9,2; &* 5 23, 9)38(8 5&; A4&8(, ; &11,33 4 45,
$8(? &(; 7,), 2)?8(? 58 : 7845 &** 45, &)43 7 5815 3215
7 : , (@(7 3 7, ** 5 7 4 A)8(? 4 A, &) (3215 : , (&3
5&)*, 3 4=), 34), 45, 5 23, 9 , ; 818 4 45, = 3848 (84
5&; * 34 5,), (15 : (&)15 5&; A, 38; , 3 3 : , (48 (
9 @, , =8(? 45, 32=), : &16 9 45, 1846 8(583 7 (5&(; 3 A6
45, 8(34)2 : , (4&*846 9 8,4) 4 A, 1& : , ',)6 3 (, '8; , (4
45&4 45, 8; , &3 &(; =2)= 3, 3 9 45, (, ? 48&48(? =&)48, 3 7,),
',)6 9&) 8(; , , ; &32(; ,)
5, 1 : : 8338 (,)3 , *, 14, ; A6 45, 8?( )6 9) 45, 1 (<
; 2148(? 9 45, 3, (, ? 48&48 (3 7845 45,), (15 $8(? &(;
583 1 2(3, **)3 7,), 9 2) 8((2 : A,) , 33,) : , (81
(38 , 33,) B28; &(4 (8 , 3=2118)&(1, 31 &*)8
&(; 8,4) &== (8 5, 98)34 47 7,), : , (75 5&;
?) 7 (*; 8(45, =2A*81 3,) '81, 9 45, , =2A*81 , 3=2118
: &8(*6 &3 & 34&4834 &(; 1 (3484248 (&* *&76,) (38 &3 &
; 8=* : &4834 24 45, *&44,) 47 C 5&', *, 94 (&: , 3 75815
112=6 & =) : 8(, (4 =*&1, 8(5834)6)&(1, 31 &*)8
5&; A, , (&(&; 5,), (4 9 45, , ; 818 8(45, ; &63 9), (>
24 *8@, 3 : &(6 45,)3 5, 5&; A, , (, 34)&(?, ; &(; ; 83<
?234, ; A6 45, 1 (; 214 A 45 =2A*81 &(; =)8'&4, 9 8,4)

'' =1,348 4,36.14.8 +,4 4 5 69 :41

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(;' 8(' 45,3,' *&44,)' ;&63' 75,(' 45,' : 83? ',)(: ,(4' 9J 45&4' 46)&(4' 5&;'),&15, ;' 45,' =8415' 9' &*8,(&48(?' 45,' : 34' '&*2&A*,' = 33,338 (3' 9' 45,' : : (7,&*45' &*)8' 5&;' A,1 : ,' &' '8 *,(4'=&)483&(' 9'45,'= =2*&)'=&)46' ,'84' 7&3' &3' 7,' 5&',' 3,,(' 7;8' 5&;'A) 2?54'9) :' 83&' 45,'(,73' 9'45,'2(3&4839&1< 4)6'),1,=48 (' 75815' 45,' *),(48(,' &:A&33&;)3' 5&;' : ,4' 7845'9) :'45,'$8(?'&))8'8(?'7845'84'H234'8('48: ,'4 '=24'58: < 3,*9'&4'45,'5,&;' 9' 45,' ,O184,;'1) 7;' 75 ')235,;'9) :'45,' 8&>>&'4 ' 45,' 3&1@8(?' 9' 45,' =&*&1,' 9' 45,' ,;818') :' 45&4' 48: ,'9)45' 5,' A,1&:,' (,' 9' 45,' : 34 L C=,)5&=3' 45,' : 34'8(9*2,(48&*' = =2*&)' *,&;,)'8(' *),(1,' (;' 5,' 7&3' &' :&(' 75 3,' (&42)&*' D2&*848,3' 7,),' =,)9,14*6' 7,**' &;&=4,;' 9)' 3215' &' = 34' 8,' 7&3' &(' ,(,8.?,481' =) :=4 J) 2?5' 5 4.5,&;,;' :&(' (4' *&)?,*6',(; 7,;' 7845' 45&4' 1&248 23' =)2;,(1,' 75815' 7&3' 3 ' 58?5*6' '&*2,;' A6' 45,' 12*48'&4,;' 1*&33,3' 9' 583' 1 (4,:=)&)8,3'A24'&A 2(;8(?'8('45,'=) :=4' &(;',(,)?,481',* D2,(1,'&(;'),&;8(,33' 9)' 45) 2?5.? 8(?' &148 (' 75815'&),' 3215' 34) (?'),1 : :,(;&48 (3' 4 ' = =2*&)' 9&' 2)' (' 45,' &?84&4,;' &(;' ;899812*4' 48: ,3' 75815'9 ** 7,;' 45,' =) 31)8=48 (' 9' 8,4) ' &(;' 583' A) 45,)3')&(1,31 ' &*)8' 78**' A,' 9 2(;' =*&68(?'&' =) :8(,(4' =&)4

24' 45,'9 2)45'1 : :8338 (,)' 7&3' 45,' : 34'),:&)@&A*,' :&(' 9' 45,:' &**' 8,4) ' &== (8' 7&3' (,' 9' 45 3,' :,(' 75 ' 89' 45,6'5&;' 9&**,(' (' 48: ,3' 9' D284,' &' ;899,),(4'1 :< =*,O8 (' 9) :' 45,8)' 7(' 7 2*;' 348**' 5&',' *,94' 45,8)' :&)@' 2= (' 45,8)' &?,' &*45 2?5'84' :8?54'5&',' A,,(C:&;,'8('D284,' &' ;899,),(4' :&((,)' ,'5&;' A,,(',;21&4,;' A6'583'9&45,)' 75 ' 5&;' 3,)',;' 45,' 4&4,' ;2)8(?'&' * (?'*89,' 8(' :&(6'8:< =)4&(4' 1&=&1848,3' &3' &' :,)15&(4' A,1&23,' 45,' 3&?&18 23' 9&45,)' =,)1,8',;' 45&4' 45,'48: ,3' 7,),')&=8;*6'A,1 :8(?'3215' 8(' ;),(1,' &3' 7 2*;' A,' *8@,*6'4 ' 99,)' A24' *844*,' 8(;21,< :,(4'4 ' &(6'* ',)' 9' *8A,)46'4 ' 4&@,' &' 35&),' 8('45,'1 (;214' 9'45,'? ',)(:,(4' (;'45,'5 23,' 9' &== (8'5&;' &*7&63' A,,(' * ',)3' 9' *8A,)46' &(;' &3' 3215' D== (,(43' 9) :' 45,' A,?8((8(?'4 '45,'=7,)' 9' 45,' ,;818' ' 8,4) 'A,1&:,

&' :,)15&(4'M &(;' 45) 78(?' 58:3,*9' 7845' &*" 45,' (&48',' ,(,)?6' 9'583' 15&)&14,)'8(4 '1 : :,)18&* =2)32843' &(;'&8:3' 45) ',' 3 '=) 3=,) 23*6'&3'4 '5&',';)&7('2= ('58:3,*9'45,' ,'3 2)'?)&=,3'G'1)848183:' 9'583'1 (4,:=)&)8,3'8(' &1123&< 48 (3' 9'&'4 ',&?,)'=2)3284' 9'7,&*45'),(> ';,P ,;818' 5 7,',)' H2;?,;' ;899,),(4*6' 5&4' 35),7;')2*,)' 75 ',3=,18&**6'=8D2,;'58:3,*9' ('583' ;831)8:8(&48(?'@(7*,;?,' 9':,('45 2?54'45&4'5,'3&7'8('45,')838(?':,)15&(4'4&*,(43' 45&4' (883)54' A,' 42)(,;' 4 '&11 2(4'8(' &(45,)' ;8),148 (&== (8' 7&3' 45,(' &A 24' 458)46'6,&)3' 9'&?,' ,' 5&;' &*),&;6' &1D28),;')815,3M &(;' (47845 34&(;8(?' 45,' *;' &(4&? (83:' A,47,,(' 583' 9&:8*6'&(;'45&4' 9'45,' ,;818' 5,';8;' (4'),923,'4 '2(;,)4&@,'&' '&)8,46' 9' :8338 (3'1 (< 98;,;'4 '58:' A6'),(> '75 3,'9),8?(' = *816' 7&3'9)'45,' : 34' =&)4'3215'&3'&(',(*8?54,(,;' *),(48(,'=&4)8 4' :8?54' ',)6'1 (318,(48 23*6'32==)4' (' 4583' (,7'1&),,)' &== (8' ;8348(?2835,;'58:3,*9'348*" :),'),:&)@&A*6'45&(' 5,' 5&;' ; (,'8('583')8?8(&* 1&**8(?' 24' 5,'7&3'6,4'4 '35 7'45&4' 45,),'7,),'&*3 ' 45,)' '&*2&A*,'1&=&A8*848,3'8(' 45&4''8?) 23' &(;')815*6.,(; 7,;')?&(8>&48 (' 4'3 '5&==,(,;'45&4'5,' 7&3' : :8338 (,)'9)'45,' ,=2A*81'8(' 45,'1&:=' 9' *9 (3 ' 9')&? (' 75,('45&4'=)8(1,'7&3',(?&?,;'8(';,9,(;8(?'45,' 2@,' 9' ,))&)&'&?&8(34'45,' =,'&(;'45,' ,(,48&(3' 5,' ,&= *84&(' &):6'5&;'A,,(' 7)34,;'A6'45,' &=&* 4) =3' &(;' *9 (3 '5&;'3 '9&)'* 34'583' =),3,(1,' 9' :8(;'&3'4 ' A,' 75 **6'8(1&=&A*,' 9')&**68(?'583' &):6'&(;'3&'8(?'58:3,*9' 9) :' &'4 4&* ;,9,&4' ('4583' 1 (H2(142),'45,' *),(48(,' : :8338 (,)' 75 3,'=) =,)'92(148 (3'8(' 45,'1&:=' 7,),' 9'&'=2),*6'18'8* 15&)&14,)'3,,8(?'&4'&' ?*&(1,'45,'34&4,' 9' 45,'1&3,'&(;'75&4'7&3' (,;,;'=24'58:3,*9'&4'45,'5,&;' 9' 45,' ;831 2)&?,;' 4) =3'*,;'45,:' (1,' :),' &?&8(34'45,' ,(,:6' &(;'),34),;' 45,J 9)42(,' 9'45,' ;&6' 5,(1,< 9)7&);' &== (8'@(,7'45&4'583'4)2,' ' 1&48 ('7&3'45&4' 9' &':8*84&)6'1 : :&(;,)')&45,)'45&(' ,845,)'&' :,)15&(4')'&' ;8=* :&4834M &(;' *),(1,'@(,7'45&4'35,'=33,33,;' (,

! WUXU 1848>,(‘&4‘ *,&34‘ 7 ‘1 2*;‘&4‘ (,,;‘3,)',‘ 5,)‘8(‘45,‘98,*;‘&3‘ ,9981&18 23*6‘&3‘8(‘45,‘1&A8(,4‘ 24‘45,‘8(3&48&A*,‘ * ',‘ 9‘ ,(,)?,481‘ &148 (‘ 75815‘ 7&3‘45,‘ ,3=,18&*‘ 15&)&14,)83481‘ 9‘ &== (8P3‘4,:=,)&:,(4‘7&3‘&*7&63‘2)?8(?‘58:‘4‘2(84,‘ &3‘) 9,33)‘ 8**&)8‘),:&)@3‘45,‘92(148 (3‘ 9‘&‘3 *;8,)‘4‘ 45 3,‘ 9‘&‘1 : :&(;,)ML &‘9&2*4‘ 75815‘7&3‘ ,',(42&**6‘45,‘ 1&23,‘ 9‘583‘ ;,&45‘C

3‘* (?‘&3‘),(> ‘*8',;‘ &== (8‘9 2(;‘58:3,*9‘&A*,‘4‘ 3,)',‘45,‘ 4&4,‘2(;,)‘583‘)2*,‘45 2?5‘5,‘7 2*;‘; 2A4*,33‘ 5&',‘=),9,)),;‘&‘',)6‘;899,),(4‘34&4,‘ 9‘458(?3‘8(‘ *),(1,‘ 24‘ :&44,)3‘15&(?,;‘3&;*6‘9)‘45,‘7=)3,‘75,(‘ 8,4)‘ 3211,,;,;‘4‘583‘9&45,)P3‘= 7,)‘&(;‘&‘9&4&**6‘;&(?,)23‘ &(;‘52:8*8&48(?‘9),8?(‘= *816‘7&3‘&;,,;‘4‘45,‘* 33‘ 9‘ ; :,3481‘*8A,)46‘ 0 5,(‘3‘:&(6‘9‘45,‘ *;‘&(;‘4)&;8< 48 (&*‘&;5,),(43‘&(;‘9)8,(;3‘9‘45,‘ ,;818‘7,),‘&*8,(&4,;‘ 9) :‘45,:‘A6‘45,‘1 (;214‘&(;‘15&)&14,)‘9‘ 8,4) ‘84‘7&3‘ (4‘*8@,*6‘45&4‘3215‘&‘ :&(‘&3‘ 8,4) ‘ &== (8‘1 2*;‘1 (< 48(2,‘4‘32==)4‘58:‘ 8,‘;,1*&),;‘&4‘ (1,‘9)‘45,‘= =2*&)‘ =&)46‘&(;‘45,‘),34)&48 (‘ 9‘= =2*&)‘8(3484248 (3‘ (;‘8(‘ 45&4‘1)8481&*‘48:,‘ 9‘1 (9238 (‘&(;‘;&(?,)‘75,(‘&94,)‘45,‘ ;,=&)42),‘ 9‘ 8,4) ‘;,P ,;818‘45,‘ *;‘? ',)(:,(4‘7&3‘ 32;;,(*6‘;,34) 6,;‘&(;‘75,(‘45,‘ : : (7,&*45‘9 2(;‘ 843,*9‘8(‘45,‘?),&4,34‘=,)8*‘;83:,:A,),;‘ 9‘843‘4,))84)6‘ &(;‘7845‘&(‘&*: 34‘&‘ 7,;*6‘5 348*,‘&):6‘ 78458(‘45,‘ ?&4,3‘758*,‘(‘(,7‘? ',)(:,(4‘1 2*;‘6,4‘A,‘),?2*&)*6‘ 1 (348424,;‘ 8,4) ‘ &== (8‘7&3‘',)6‘=),..,:8(,(4*6‘45,‘ (,‘:&(‘ (‘75 3,‘35 2*;,)3‘9,**‘45,‘;246‘9‘?28;8(?‘&(;‘ ? ',)(8(?‘45,‘1846‘ ,‘7&3‘3&63‘) 9,33)‘8**&)8‘&3‘:215‘ 45,‘)8?54‘&):‘9‘45,‘ 4&4,‘&3‘ &‘ (&) *&‘7&3‘843‘A)&8(‘ML ‘ &‘ :,4&=5)‘5 7,',)‘75815‘3,,:3‘31&)1,*6‘4‘;‘H23481,‘ 4‘ &== (8‘8(&3:215‘&3‘:34‘&332),;*6‘45,‘A)&8(‘5&;‘ 843‘92**‘35&),‘8(‘45,‘=&)4‘75815P &== (8‘7&3‘1&**,;‘ (

! ‘ ‘ ‘ $ #

4 ‘ J3234&8(‘ ;2)8(? 45 3,‘ ;&63‘ 9‘ 4) 25*,‘ &(;‘ (4: 34 !
;899812*46 - -

4‘ 7&3‘ &‘ :&44,)‘ 9‘ 1 2)3,‘ 45&4‘ 5,‘ 35 2*;‘ 5,‘ (&:,;‘ (,‘
9‘ 45,‘ 9 :J 1 : :8338 (,)3‘ &== 8(4,;‘ 4 ‘ 1 (;214‘ 45,‘
,O4),:,*6‘ 45)(6‘ &(;‘ =,)8* 23‘ (,? 48&48 (3‘ 7845‘ 45,‘
),(15P@8(?‘ (‘ 75815‘ 45,‘ 9&4,‘ 9‘ 45,‘ 1846‘ ;,=,(;,;‘
,‘ 7&3‘ ,3=,18&**6‘ 7,**‘ 1&*12*&4,;‘ 9)‘ 45,‘ ;246‘ A6‘ 18)12:<
34&(1,3‘ &3‘ 7,**‘ &3‘ A6‘ 583‘ 7(‘ =,)3 (&** D2&*8981&48 (3‘ (‘
5,‘ @(,7‘ 5&)*,3‘ &(;‘ 45,‘),(15‘ 28P4‘ 2, ‘ ,‘ 5&;‘ A,,(‘
(‘ 3,',)&*‘ 11&38 (3‘ &:A&33&;)‘ 9) :‘ *),(1,‘ 4 ‘ 45,‘ 1 2)4‘
9‘)&(1,‘ &(;‘ 7&3‘ (‘ 9)8,(;*6‘ 4,):3‘ 7845‘ 45,‘),(15‘ @8(?
5,‘ 988P34‘ =,(8(?‘ 9‘ 45,‘ D2,348 (‘ (‘ 75815‘ 84‘ 7&3‘ 9‘
3215‘ '84&** 8:=)4&(1,‘ 45&4‘ 45,‘ 1846‘ &(;‘ 45,‘ @8(?‘ 35 2*;‘
1*,&)*6‘ 2(;,)34&(;‘ ,&15‘ 45,) L 45,‘ (&42),‘ 9‘ 45,‘ =),4,(<
38 (3‘ 9‘ 45,‘ *&44,)‘ &(;‘ 45,‘ = 3848 (‘ 8(‘ 75815‘ 45,‘ 1846‘ 7&3‘
4 ‘ 34&(;‘ 4 7&);3‘ 58: L 7&3‘ (4‘ ,(1 2)&?8(?‘ 5&)*,3‘ &4‘
45,‘ 243,4‘ &44,:=4,;‘ 4 ‘ /&332:,‘ 45,‘ = 3848 (‘ 9‘ &‘ 1 (<
D2,))‘ 75 ‘ 83‘ 4 ‘ ?)&(4‘ 4 ‘ &‘ 1 (D2,),;‘ =, =*,‘ 3215‘ 4,):3‘
&3‘ :&6‘ 3,,:‘ ? ;‘ 4 ‘ 58:‘ 5,‘ 8(;8?(&48 (‘ 7845‘ 75815‘
3215‘ &‘ =),4,(38 (‘ 7&3‘),1,8',;‘ A 45‘ A6‘ 45,‘ 1 : :8338 (,)3‘
&(;‘ A]C 45,‘ ,(48),‘ 1846‘ &3‘ 3 (‘ &3‘ 45,‘ (,73‘ 9‘ 4583‘ 8(3 *,(4‘
&332:=48 (‘ 5&;‘ A,,(‘ 3=),&;‘ &: (?‘ 45,‘ 1848>,(3‘ 7&3‘
,O4),:,‘ (;‘ 45,),‘ 7&3‘ ;&(?,)‘ 9‘ &‘ 32;;,(‘ 24A2)34‘ 9‘
45,‘ = =2*&)‘ 92)6‘ K

24‘ 5&)*,3‘ ,O=*&8(,;‘ 45&4‘ 583‘ '8,7‘ 9‘ 45,‘ :&44,)‘ :234‘
A,‘ 1)),14M 8(&3:215‘ &3‘ 5,‘ 5&;‘)8;;,(‘ 8(4‘ 45,‘ 1846‘ 7845‘
583‘ *&(1,‘ ,),14‘ (‘ 583‘ 458?5QL 75815‘ &11);8(?‘ 4 ‘ &** 45,‘
)2*,3‘ 2(;,)34 ;‘ 8(‘)&(1,‘ 4 ‘),?2*&4,‘ 3215‘ :&44,)3‘
8:=*8,;‘ 45&4‘ 5,‘ ,(4,),;‘ *),(1,‘ w3‘ &‘ 1 (D2,))‘),<
',)‘ 89‘ &(6‘ 92)45,)‘ =) 9‘ 9‘ 45,‘ 1)),14(,33‘ 9‘ 4583‘ '8,7‘
7,),‘ (,;,;,;‘ 84‘ 7&3‘ 4 ‘ A,‘ 9 2(;‘ 8(‘ 45,‘ 9&14‘ 45&4‘ 45,‘
99818&*3‘ 9‘ 583‘ &):6‘ ,(4)234,;‘ 7845‘ 45,‘ 4&3@‘ 9‘ &))&(?8(?‘
45,‘ * ;?8(?3‘ 9)‘ 45,‘ 4) =3‘ 5&;‘ 9),,*6‘ ,(4,),;‘ 45,‘ 1846‘
F‘ 7845‘ 15&*@‘ 8(‘ 45,8)‘ 5&(;3‘ **‘ &(;‘ 5&;‘ =) 1,,;,;‘ 2(8:=,;,;‘
4 ‘ :&)@‘ 45,‘ ;)3‘ 9‘ 45,‘ 5 23,3Q

458(@' *8448,' 9' ;83A2)38(?' 32 : 3 ' 75815' 7 2*;' 3,, : ' ',)6' *&)?,'4 '),(15'=,(2)6 !WUX4

'45,' (,? 48&48 (3' 7,),'),32 : ,;' (' 4583'9 48(?' (;' 45,' : :8338 (,)3' &94,)' 3 :,' ;,A&4,' =),3,(4,;' 4 ' 45,' $8(?' &' ; 12 : ,(4' 1 (4&8(8(?' 45,' =) = 3848 (3' 75815' 45,' 1846' 99,),;' 5,6' ;8;' (4' &==,&)' &11,=4&A*,' 4 ' 583' &H,346' &(;' 583' &;'83,)3M' 75 ' 45,),2= (' 8(' 45,8)' 42)(' 5&(;,,;'4 '45,' : :8338 (,)3'&'=&=,)'1 (4&8(8(?'45,' $8(?P3' 2*48 : &42 :

(;'45,(' 84' 7&3' 45&4'45&4' :,:)&A*,' 31,(,' 112)),;' 75815' 5834)8&(3'= ,43' ;)& : &48343' &(;'=&8(4,)3' 5&',' '8,;' 7845',&15' 45,)'8('1 : :,:)&48(?'&(;'45 3,'(A*,'7);3' 7,),' =) (2(1,;' 75815' 45,' 36 : =&456' 9' ,',)6' *8A,)46.' * '8(?'5,&)4'8(' &**' 32A3,D2,(4'&?,3'&(;'8(' &**' 1 2(4)8,3'5&3'),(;,),;'8: :)4&* ' 5,'2*48 : &42 :' 9'45,' $8(?'7&3'9 2(;' 4 ' 1 (4&8(' (4' (*6' ;,:&(;3' 75815' 45,' : :8338 (,)3' ;,,:,;',O&??,)&4,;'A24' 4,) : 3' &(;' =5)&3,3' 75815' 45,6' 9,*4' 4 ' A,' 8(32*48(?' 4 ' 45,' ;8?(846' 9' *),(1,J' (;' 75,(' 45,6',33&6,;'4 '), : (34)&4,' 5&)*,3' &44, : =48(?' 4 ' 1&))6'45,' :&44,)' 7845' &' 58?5' 5&(;'&(;'5 =8(?'4 '8(48 : 8< ;&4,' 45,3,' 2(&) : ,;' 1848>,(3'),=*8,;' &(?)8*6' 45&4' 89 '583' 4,) : 3' 7,),' (4' &11,=4,;' 5,' 35 2*;');,)' 583' 4)2 : =,43' 4 ' 2(;' 215' &(' 8(3 *,(4' :,(&1,' 7&3' :),' 45&(' 45,' 18'81'=)8;,' 9' 8,4) ' &== (8' 1 2*;'4 *,)&4,' 1&)1,*6'5&;' P45,' 99,(38',' 7);3' *,94' 45^' $8(?P3' *8=3' A,9),' 34&)48(?' 9)7&);3' 7845' 583' ,6,' (' 98),'&(;'7845' &' D28',)8(?' *8='5,' 4),' 9) :' 4 =' 4 ' A 44 :' 45^' =) = 3,;' 1 (;848 (3' &(;' 1)8,;' F' ,4' 6 2)' 4)2 : =,43' 3 2(;'89' 6 2' 78**' (;'7,' 78**')8(?' 2)'A,**3'Q G' 8

' 4'7&3' 4 '45,' :&34,)' 9' 3 :,'47,*',' 45 23&(;')' :),' &) : ,;' :,(' 45,(' D2&)4,),;' 78458(' 45,' 1846' ;,9,(;,;' : &8(*6' A6' 1848>,(3'9)'45,' : 34'=&)4'2(&) : ,;'&(;';,,:,;' 4 ' 5&',' * (?' 38(1,' * 34' 45,/ : &(5 ;'(,1,33&)6'9)' 45,8)

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3,',(46' &4' 35)4' ;&4,' &34*6' 45,'),(15' @8(?' 7&3' 4 '),4&8(' 83&' ,?5)(' 8,4)&3&(4&' &(;' &)>&(& L 45,' 184&;,*3' 45&4' 83' 4 ' 3&6' (4' 45,',(48),' 1848,3 L C2(48' 45,',(;' 9' 45,' 7&)' 7845' &=*,3' 75,(' 45,6' 7,),' 4 ' A,'),34),;' 4 ' 45,' *),(48(,3

5,' &)481*,3' 9' 45,' 4,O4' 9' 45,' 1 (',(48 (' &),' 47,(46.' 3,',(' 8(' (2 : A,)' &(;' =) '8;,' 9)' &' '&)8,46' 9' : &44,)3' 9' : 8( )' 8(4,),34' 24' 45,' &A ',' 45),,' = 8(43' 1 : =)83,' 45,' 8 : =)4&(4' AH,143' 9' 45,' 8(34)2 : ,(4 J' 5,'),&;,)' 5 7,',)' 75 ' 78*' 4&@,' 45,' 4) 2A*,' 4 '),9,)' 4 ' 45,')8?8(&' 4,O4' 78*' A,' (4' &' *844*,' 32)=)83,;' &4' 3 : ,' 9' 45,' *&(?2&?,' 5,' 78*' 98(;' 45,),' 75,(' 1 (38;,),;' 8(' 1 (H2(148 (' 7845' 45,' 9&143' 45&4' 5,' 5&3' A,,('),&;8(?' 8(' 45,' =),1,;8(?' =&?,3' (< 38;,)8(?' 45,' =&34' 1 (;214' 9' 5&8;,3' &(; 583' = 3848 (' 8(' *),(1,' &(;' 45,' 9,,*8(?3' 4 7&);3' 58 : ' 75815' 5&',' A,,('),=),3,(4,;' 8(' 45,' 9),? 8(?' =&?,3' &3' &(8 : &48(?' 45,' *),(48(,3' 84' 83' 1,)4&8(*6' 34)&(?,' 4 ' 98(;' 58 : ' ,(484*,;' F45,'),34),)' 9' *),(48(,' *8A,)46' &(;' 9&45,)' 9' 45,' 1 2(4)6 G' 0 5,(' &*' 45&4' 45,' 1848>,(3' ' 83' A)(,' 8(' : 8(;' 84' 3,,:3' (4' &' *844*,',O4)&);8(&)6' 4 ' 5,&)' 45,:' " 7 ' 45&4' F45,' $8(?' =&);(3' 583' =, =*,' 9' *),(1,' &*' 45,' 9&2*43' 45,6' 5&',' 1 : : 844,;' ,',(' &3' B ;' 75 3,' 8 : &?,3' @8(?3' &),' =&);(3.' 4&,(' 45,8)' 38(3' 'G' 24' 4583' 3)4' ;9' *&(?2&?,' : ,),*6'),=),3,(43' 45,' 45,),481&*'),',),(1,' 8(' '5815' 45,') 6&*' &245)846' 7&3' 5,*;' 8(' *),(1,' &3' 7,**' &3' 8(' 45,'),34' 9' 45,' 2) =,&(' 7)*;' &4' 45&4' ;&6M' &(;' 83' 12)8 23' : &8(*6' &3' 35 78(?' 5 7' : 215' =)&1481&*' 8(;,=,(< ;,(1,' 1 2*;' A,' 1 (H 8(,;' 7845' 3 ' &==&),(4*6' 3,)'8*,' &' 45,)6' 9' 45,' 1*&8 : 3' 9' &245)846'9

'* <6' 6.1436'16D1',%1<6':,.+6.14,.'G<4:<'4='4.1636=14.>'4.') 8.;'36=56:1='G422' E6'%,*.9'4.'8.'8556.94D' 81'1<6' 6.9',%1<4='+,2*)6'534.169'%3,)'1<6'W=1'+,2',%1<6' 3:<4+4,'#1,34,,' 18248.,

1' #66'=,)6'6D:6226.1'364<83H=',.'1<4=' =*EI6:1'4.'8'136814=6'E;'1<6'536=6.1' 83:<6=6' 4.,' 855,.4'=*EI,4.69'E;'<4)'1,'1<6'16D1',%1<6'13681;'4.' A*6=14,.'G<636'41'4=' 534.169'4.'1<6'%43=1'+,2*)6',%1<6' 3:<4+4,'#1,34,,' 18248.,

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:#ʻ*,(?45ʻ45,ʻ;)&94ʻ 9ʻ45,ʻ4),&46ʻ7&3ʻ&?),,;ʻ4 ʻA6ʻA 45ʻ 38;,3ʻ&(;ʻ7&3ʻ3 *,:(*6ʻ37)(ʻ4 ʻA,ʻ9&84592**6ʻ A3,)',;ʻA6ʻ 45,ʻ 1 (4)&148(?ʻ =&)48,3ʻ 8(ʻ45,ʻ1&45,;)&*ʻ (ʻ45,ʻ# 45ʻ 9ʻ ',:A,)Mʻ45,ʻ98946ʻ45 23&(;ʻ;21&43ʻ7,),ʻ=&8;ʻ ;7(ʻ&3ʻ 348=2*&4,; P&(;ʻ47 ʻ;&63ʻ&94,)7&);3ʻ45,ʻ$8(?ʻ*,94ʻ *),(1,ʻ (ʻ583ʻ7&6ʻ4 ʻ :,J

Zʻ *4::48394.4ʻ#1,348ʻ 4,36.14.8ʻ,5636ʻ4.69416ʻ+,4ʻ444ʻ:2485ʻ D44ʻ^ 8394ʻ=1,346ʻ94ʻ 436.76ʻ24Eʻpʻ89ʻ8..ʻWUXUf^ 418ʻ94ʻ 463,ʻ 855,.4ʻ4.ʻ +,4ʻ4+ʻ,%1<6ʻ 3:<4+4,ʻ#1,34:,ʻ 18248.,ʻ^ 4,+8..4ʻ 8)E4ʻ=1,346ʻ+,4ʻDD4ʻ 96226ʻ!624748ʻ96>24ʻ 3*9414 ,=:8.4?ʻ O422834ʻ O418ʻ94ʻ#8+,.83,28ʻ24Eʻ44ʻ :<95ʻ444

s

<6 2,36.14.6=' 68>63'%,3'1<6' 965831*36',% <8326='=6.9'#8+,.83,28'1,'<4)'
<6' 36.:<'4.'268+4.>' 2,36.:6'=1682'822'1<6;':8.'28;'1<643'<8.9=',
'.6G'>,+63.)6.1'1,'<6':,.=141*169 !4%%4:*2146='4.'1<6'G8;',%'9,4.>'=,'
!681<',% ,24748., 4=':<838:163 !681<',% 4:,'96228' 438.9,28
6894.>')6.',.'G<,)'1<6':836',%'36:,.=13*:14.>'1<6'>,+63.)6.1'%6
#63),',%'#8+,.83,28'E6%,36'1<6) 8394@=',54.4,.',%'1<6' 3483 !4%%4B
:*21;'4.'G41<=18.94.>'1<6'G422',%'#8+,.83,28 3,5,=82',%'1<6'#4>.,348'
1,'1<6' 56,526 G6.1;' 6:,55481,34(' 855,4.169 D6:*14,.',%'
.1,.4,'94' 63.839, 1<63'+4:14)='=8+69'%3,)'1<6'5,5*283'%*3;'E;'
#8+,.83,28' !4==6.=4,.=' 8),.>'1<6' ::,55481,34(' 36.963' 1<6)F
5,G6326== ,'5,2414:82'268963='4.' 2,36.:6 #8+,.83,28'1<6',.2;')8.'
G<,':,*29'3*26'1<6'56,526 43:*)=18.:6='G<4:<'*.%41169'<4)'%,3'1<81'
18=H '.%41.6=',% 822'5346=1='%,3')69924.>'G41<':4+42'>,+63.)6.1'
>41814,.'4.' 2,36.:6 36+8424.>'.,14,.',%'1<6'6D56946.:;':%'4)41814.>'
1<6'06.6148.':,.=141*14,.' '<;'.,1'%68=4E26' '3>*)6.1='%,3'8.9'
8>84.=1'1<6':36814,.',%'8' 3681' ,*.:42 06.6148.' >6.126)6.('8.9'
2,36.14.6' ':41476.=(' 'K*824%4:814,.='%,3'89)4==4,.'1,'1<6' 3681'
,*.:42 #8+,.83,28'E6>4.='1,'5368:<',.'1<6'5,2414:82'A*6=14,.=',%'1<6'
14)6 6341',%'1<6':,.=141*14,.'628E,38169'E;'#8+,.83,28'4.'1<6=6'=63B
),.= ,.=141*14,.',%'1<6' 3681' ,*.:42 ,.=13*:14,.',%'1<6'#828'94'
4.A*6'6.1, ' 26:14,.',%'8'#6.816',%' 4><1; ' <6 3681' ,*.:42'<89'
.,'26>4=2814+6'4.414814+6 <6' ':,55481,34('36=4>.'1<643',%%4:6=

'*,94' *),(1,'&3'5&3'A,,('3&8;' ('45,'#45' 9'
',:A,)' -'M A24' 583' ;,=&)42),';8;' (4' 9 ** 7' 45,'
38?(&42),' 9' 45,' 4),&46' &(;' 45,' =&6:,(4' 9' 45,' 98946'
45 23&(;' ;21&43' 7845' 3299818,(4')&=8;846' 4 ' 3&48396' 45,'
8:=&48,(1,' 9' 45,' *),(48(,3' ' &' '&)8,46' 9' 58(43' &3'
A) &;'&3'7&3'1 (3834,(4' 7845' &' ;,1,(4' :&8(4,(&(1,' 9' 45,'
&==,&)&(1,' 9'18'8*846'45,'.$8(?'3,,:,;'8(1*8(,;'4 '=&6',)6'
844,' &44,(48 (' ,'7&3'5 23,;' :),' 3=*,(;8;*6'45&('5,'
5&;',',)'A,,('A,9),'&(;'7&3'8(' ('52))6';2)8(?'45 3,'
',:A,)';&63'4 '*,&',' 3215'*202)8 23' D2&)4,)3'9)'45,

7845 24 92)45,) ;,*&6 &@, 1&),45 2 ; 34 (4 A)8(?)28((45833 1846 &(;45,&(?,) 945,);((4563,*9 G 5&)*,3 68,*;,;4 45,&31,(;&(16 75815 45,58?5 8(4,**,14&(; ?,(28(,9&845 945, :8(81&(: (@5&; ,(&A*,;58:4 &1D28),' ,) 45,=2(67,&@(,33&(; ?) < ',**8(?8?( )&(1, 945,),(15 3 ',),8?(&(;;,=&)4,;4 45,?),&4H 6 9&** *),(1,ML 4 45,?),&4H 6 945, 1846 4523)8;9 843) 6&* ?2,34 A24 (4 7845 24 *,&'8(? A, (;58:3,(48:,(43 934) (?;83?234&(;1 (4,:=4 (45,=&)4 945,1848>,(3)),(15:,(8(45,9894,,(45 7,),' ',)6 :215 45,3&:,&3 45,67,),8(45, ,8?54,,(4*8 1,(42)6 0 5,45,) 1 :8(?8(45,?283, 9 9)8,(;3) 9 ,(,:8,3 45,67,),,D2&**6 458,',3 &(;=*2(;,),)3 5, 3=*,(;8;=&*&1,'8(75815 45,$8(?&(;583 1 2)4 5&;A,,(* ;?,;3 ?,(,) 23*6 &(;7845 3215 1 (98;8(?? ;9&845 A6 45, *),(48(,3 7&3) AA,;A645,: (45,8) ;,=&)42),8(45,: 34 35&:,*,33 :&((,) 4 (*6 45,3 *;8,)3 &(;C 45,8) 9981,)3 &(;45,1 2)48,)3 *&8;5&(;3 (,',)6 =),' 18 (3 458(?45,6 1 2*;3,,A24 ,',(45,$8(? 9)&(1, 58:3,*9 ;8;(4 31)(4 A,1 :,&45 8,92(;,) 18)12:< 34&(1,3 75815 7 2*;5&',35&:,;:&(6&) AA,) 8(4 4,:=)&)6 5 (,346 5, : 34 =),18 23 =&)4 9 45, A 46 9,**4 45,) 6&* 35&),M &(;45,$8(?83),1);,;4 5&',1&))8,; 99 &: (? 45,) &)481*,3 9 ?),&4 '&*2,45, 98?2),9 &2(81)(75815 ,:8(,3 ,348:&4,;4 A, 7)45 3,',(45 23&(;;21&43 : (? 45,) AH,143 34 *,(,:8(,3 3=,&@3 9 3,',)&* A,&2489 2*12=3 9&?&4,&(; &?),&4,) (2:A,) 91&:, 3 7 (;,)92**6 124 45&(5, [,:8(,3]5&;,',)3,,(A,9),; " 7,** &3 45),,45 23&(;) :),98(,:,;&*3 8(? *;&(;38*',) 7,8?58(?&4*,&34 9)46 = 2 (;3321 5 &D2&(4846 &3 35 2*;(4 5&',45 2?54,O834,;8(&** 4&*6 G J

5,),(15:,(7,),? (,M 45,8: :8(,(4 ;&(?,) 7:3

Z !6 ,)4.6=24E +44 :<85 44 5 [+,2 D444 ! * ,22 6141,1 422834 418 94 #8+,.83,28 +,2 4 5 U

1846 45) 2?5 843 34&4, 9 4)&(3848 ( )&3 &** 5&; :), *
)*,33 5,&)48*6 1 (12)),;8(32A:8448(?4 45, ,;81,&(WUXFW
= 7,) 75 , 84 5&; *&34,; &(; &** 7,), :),)*,33
?,(28(,*6?*&;45&4 84 5&;1 :, 4 &(,(;45,), &3 &3
6,4 ((, 9 45&4 A844,) &(;8:=*&1&A*,=&8.46 5&4),; 75815
5&; 232&**6 :&;,),' *248 (3 8( )8),(1, &34)2??*, 9)
89,&(;;,&45 A,47,,(5 348,9&148 (3 3 6,4 3&6 9)
*),(1, 7 2*; (4 5&',A,,(*),(1,89 8(&34&4, 9
9),,; : =&)46 3=88R4 &(; =&)46 5&4),; 5&; (4 ,), * (?
;,',* =,;45,:3,*',3
,&45 &*3 5&; A,,(A236 8(45,3, 3&:, : (453),<
: '8(?(4 8(==)42(,*6 =,)5&=3 3 :, 9 45, :),
=) :8(,(4&(; : 34 8(48:&4, 9 45,9)8,(;3 9 45, ,O8*,;
9&:8*6 (?,* *8>8&(5&; ;8,; (45, #-45 9 ,=<
4,:A,) 8(45&4 3&:, 6,&) F* &;,; G 3&63 &1 (4,:=)&)6
7)84,) J 75 3, 2(=2A535,; 5834)6 9 583 48:,3 83 D2 4,;
A6) 9,33) 8**&)8 F 7845 &3 :215 8(9&:6 &(; =2A51
'842=,)&48 (&3 &:&(1 2*; 7,** ,(;2), G 83 *89, 5&;
(4A,,(&(,O,:=*&)6 (,M ( )5&; 45, 3=*,(;8; 4&*,(43
7845 75815 5, 7&3 ,(; 7,; A,,(7,** &==*8,;,O1,=4 8(
3 9&)'&3 583 ?),&4 ,)2;848 (1 (4)8A24,; 4 45, ;,',* =<
:,(4 9 45, 45,(,7&(;)838(?4&34, 9)1*&3381&** 342;8,3
(; 45&4 ,',(4583 7&3 &',)6 ; 2A492** A,(,984 4 4&*6
78** 31&)1,*6 9&8** 4 32??,34 843,*9 4 45 3, 75 1 :=&),
45, 4&*8&(,3=,18&**6 45, 231&(*84,)&42), 9 45,=),'8 23
7845 45&4 9 45, 32A3,D2,(4 &?, 5,( )45,)(' (&48 (3
5&; 4 '8?) 23 &*89, &(; 4 34) (?*6 H8(; ;8',)3,*6
15&)&14,)8>,; &: ,(4&** 1 (3484248 (4 A, 37&:=,; &(;
=&?&(8>,; A6 45,),'8'&** 9 45, &(18,(4 *,&)(8(?2 4 84
7&3 45,)783, 8(4&*6 5, 5 : ?,(,846 9 45, : ;,)(
4&*8&(&(; 45, *; &48(' :8(; 7&3 3215 45&4 1 :8(?&3
84 ;8; &4 &48:, 75,(9) :' = *8481&** 18)12:34&(1,3 45,
'8? 2) 9 45, (&48 (&** *89, 7&3 7&(8(?45, *; *,&)(8(?
4 @ 3215 ,(488, = 33,338 (9 49,, 4&*8&(8(4,**,14 45&4

" ,36.14 #1,348 4,36.14.8 #4*1<6 8>248E6::<48. 4E383;

315 *&)' &98;' 9,** 7' &;5,),(4' 9' 45,' ,;818' 81 ' ;,**&' !
88R&(; *&' 83' *89,' 7&3' &' 35)4' (,' [458)46.47 '6,&)3'
=*6]' &(;' 45,),'83' (' ,'8;,(1,' 45&4' 84' 7&3' 8(' &(6' 7&6' (,'
3=,18&**6' (,,;8(?' 3215' &' 34) (?' 1)),148',' :,&32),' &3' 45&4'
&; =4,;' A6' 583' 9)8,(;' 81 ' 5 7,',)' 7&3' &*3 ' ;,38) 23'
9' A,8(?' :834&@,('9)' &' :8(81&(' : (@'8(' 45,' ;&6' 75,('
45,' ?)&',3' 35 2*;' ?8',' 2=' 45,8)' ;,&;' 24' ,&45' 1&**,;'
58:' 3 '5&348*6' 45&4' 5,' 7&3' 2(&A*,' 4 ' ; ' :),' 45&('
,O=),33'
4 ' &' (&) *&' 583' ;,38),' 4 ' A,' A2)8,;' 8(' 45&4' 5 *6' ?&)A'
/ ,' 5&;' :),')8?54' 4 ' 84' 45&(' *848&('9)' 583' 8(48:&16'
7845' 8.,(> ' ;,P ,;818' 5&;' (4' =),',(4,;' 58:' 9) :'
A,8(?' 45,' 9)8,(;' 9' &' (&) *&' ,',)45,*,33' 45,' *&44,)'
5&;' ?)&',' ; 2A43' 7,' &),' 4 *;' &A 24' 45,' =) =)8,46' 9' 1 :<
=*68(?' 7845' 583' ;68(?' 9)8,(;P3'),D2,34' (' 45,' ?) 2(;' 45&4'
81 ' 5&;' :&(89,34,;' &(' 8(4,(48 (' 9' H 8(8(?' 45,');,)' A24'
5&;' =24' 99' ; 8(?' 3 L CA,8(?' 4523' ?28*46' 9' &(' &44,:=4' 4 '
),3834' 45,' =,)&48 (' 9' ?)&1,' (;' 84' 7&3' (4' 48**' ,(<
8?54,(,;' A6' &' 3=,18&' '838 (' ('45,' 32AH,14' 45&4' &' (&) *&'
9 2(;' 58:3,*9' &A*,' 4 ' &11);' 45,' ;,38),;' =)8'8*,?,' 4'
7&3' 5 7,',)' &4' *&34' ?)&(4,;M &(;' B8 '&((8' 81 ' ;,**&'
8)&(; *&'*8,3' A2)8,;' 8(' 4' &)@P3' 52)15' A6' 45,' 38;,' 9'
(?,*' *8>8&(
:8;' 4583' 1 (9238 ('&(;' =&21846' 9' :,('9844,;' A6' 45,8)'
8(4,**8?,(1,')' 3 18&*' = 3848 (' 4 ' =*&1,' 45,:3,*',3' &4' 45,'
5,*:' 9' 45,' 4&4,'45,' 4&3@' 9' 4&@8(?' 45,' 98)34' 34,=3' 4 7&);3'
),.)?&(8>8(?' 45,' ? ',)(:,(4' 9,**' (' 8,)' &== (8' &(&8'
;,P ,)*8')&(1,31' &*)8'),(>' ;8' 8,).)&(1,31' ;,.'
,;818 J' &(;' ,)(&);' 21,**&8' 0 58*,' 45,3,' 1848>,(3

#'
' ' 1 'T V
(!)')) '
*)') ' ' ! ( ) '
$ +' ' ,%%+' - ./ ,

%':,*3=6'1<6' 822*=4,.' 4=' 1,' <4=' 24.>*4=14:' 81184.) 6.1=
Z' .6' ,%1<,=6' 94=18.1' :,*=4.=' ,%1<6' 2816' 1;38.1' G<,=6' 6.) 41;' 1,' <4)'
<8=' E66.') 6.14,.69

45,‘ : &33,3‘ 7&3‘ (7‘ &4‘ 843‘ 12* : 8(&48(?‘ = 8(4‘ 5,‘ = =2*&)‘ - E
8 : &?8(&48 (‘ 5&;‘ A,,(‘ ‘,)6‘ 9)18A*6‘ 8 : =),33,;‘ A6‘ 45,‘
3=,,;6‘ 92*98* : ,(4‘ 9‘ 45,‘ =) =5,16‘ 1 (1,)(8(?‘ 45,‘ ;,&45‘ 9‘
),(> ‘ 45,‘ *&4,‘ =,‘ &(;‘ 45,‘ *&4,‘ $8(?‘ 9‘ &=*,3‘ 4‘
5&;‘ A,,(‘ 92)45,)‘ ,O184,;‘ A6‘ 45,‘ 3211,33‘ 9‘ &‘ (&) *&‘ 8(‘
3,(;8(?‘ 45,‘ $8(?‘ 9‘)&(1,‘ 24‘ 9‘ 45,‘ 1846‘ 75,(‘ 45,‘
,98A)43‘ 9‘ 45,‘ 98)34‘ 1848>,(3‘ 8(‘ 45,‘ : : (7,&*45‘ 5&;‘ 9&8*,;‘
4 .&44&8(‘ 45,‘ AH,14‘ 5,3,‘ 3211,33,3‘ 4 ?,45,)‘ 7845‘ 45&4‘
;,(2(18&4)6‘ 34)&8(‘ 9‘ ,* D2,(1,‘ 75815‘ 83‘ 3 ‘ 7,**‘ 9844,;‘ 4 ‘
I : ‘,‘ 45,‘ : 8(;‘ 9‘ 45,‘ : &33,3‘ 8(‘ 48 : ,3‘ 9‘ ;&(?,)‘ &(;‘
4) 2A*,‘ ?&‘,‘ &‘ (&) *&‘ &‘ = 7,)‘ 8(‘ *),(1,‘ 75815‘ 84‘
7 2*;‘ (4‘ 5&‘,‘ A,,(‘ 783,‘ 4 ‘ ;,96
5,‘ ? ‘,)(8(?‘ H2(4&‘ 45,),9),‘ 15 3,‘ &‘ : 8;;*,‘ &(;.4,:.‘
=)8>8(?‘ 1 :ℬ,‘ &‘8(?‘ ;,4,):8(,;‘ (‘ 45,‘ =) = 3&*3‘
45,6‘ 7 2*;‘ :&@,‘ 4 ‘ 45,‘ =, =*,‘ 45,6‘ =) 1,,;,;‘ &11);8(?‘
4 ‘ 8 : :,:)8&* *),(48(,‘ 23&?,‘ 8(‘ 48 : ,3‘ 9‘),‘ *248 (‘ &(;‘
1 (3484248 (&* 15&(?,‘ 32 : : (,;‘ 45,‘ =, =*,‘ 8(4 ‘ 45,‘
8&>>&‘ A6‘ 45,‘ 3 2(;‘ 9‘ 45,‘ A,**‘ &(;‘ ;,31,(;,;‘ 4 ‘ 45,‘
F‘)8(?58,)& G L 45,‘ " " ‘ ‘=*&1,‘ 8(‘ 9) (4‘ 9‘ 45,‘ =&*&1,‘
?&4,3 L 4 ‘ *&6‘ A,9),‘ 45,‘ 1848>,(3‘ 45,8)‘ =) = 3&*3‘ 5,‘
= =2*&1,‘ ,‘,)‘),&;6‘ 4 ‘ A,‘ 9 *,;‘ A6‘ 45,‘ =),3,(4&48 (‘
A,9),‘ 84‘ 9‘ &‘ 35&; 7‘ 8(34,&;‘ 9‘ &‘),&*846 L ,3=,18&**6‘),&;6‘
&3‘,‘,)6‘ = =2*&1,‘ &*7&63‘ 83‘ 4 ‘ A,‘ 3 ‘ 15,&4,;‘ 75,(‘ 843,*9‘
5&3‘ &‘ 35&),‘ 8(‘ 45,‘ =),3,(4&48 (‘ 9‘ 45,‘ 15,&4 L 1)235,;‘),<
H 818(?*6‘ 8(4 ‘ 45,‘ 8&>>&‘ =) 2;‘ 9‘ 45,‘),1 ‘,)6‘ 9‘ 843‘ *;‘
*8A,)48,3‘ ,),‘ 8(;,,;‘ 7,),‘ 45,‘ ?)&(;‘ *;‘ 48 : ,3‘ 1 :,‘
A&1@‘ &?&8(‘ 5,‘ ?)&(;38),3‘ 4 *;‘ 5 7‘ 45,6‘ 1 2*;‘),<
:,:A,)‘ 3215‘ ; 8(?3‘ 8(‘ 45,‘ 98(,‘ *;‘ ;&63‘ 75,(‘ 45,6‘ 7,),‘
*&;3‘ &(;‘ 5&;‘ 4&@,(‘ =&)4‘ 8(‘ 45,‘ A&(835 :,(4‘ 9‘ 3 : ‘ 75 ‘
7&3‘ &94,)7&);3‘ ;831 ‘,),;‘ A6‘ 45,:‘ 4 ‘ A,‘ 45,‘ F‘ &45,)‘ 9‘
583‘ 1 2(4)6 G‘ ‘,)6‘ :&(‘ &3‘ 5,‘ 52))8,;‘ 4 ‘ 45,‘ 8&>>&‘
9,*4‘ 45&4‘ 5,‘ 7&3‘ &‘ 9),‘ 1848>,(‘ 4&@8(?‘ 583‘ =&8P4‘ 8(‘ 45,‘ ? ‘,)(<
:,(4‘ 9‘ 583‘ F :: 2(,G‘ *),(1,‘ 7&3‘ 5,)3,*9‘ &?&8(‘
5&4‘ 4583‘ =) 2;‘ =&)4‘ 75815‘ 45,6‘ 7,),‘ 1&**,;‘ (‘ 4 ‘ =*&6‘
*8 : 84,;‘ 843,*9‘ 4 ‘ 45,‘ 35 248(?‘ 9‘ F ,3Q‘ 6,3QG‘ 8(‘ 45,‘)8?54

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=*&1, L 45&4 45,&*4,)(&48 (9 35 248(?F Q(QG8(34,&;
*,4 45,=) = 3848 (3 :&;,4 45, :5, 75&4 45,6 :8?54 7&3
A6(: ,&(3 =,(4 45, :)1 2*; A,8(;2*?,;8(((*6
&4 45, 1 34 9 A)8(?8(? 45,8) =&)*8&:,(4 7845 ,O4),:,
)&=8;846 4 &;,3= 481 ,(;8(? 89(4 9 8: :,;8&4,9&**8(?
4 ;,A&4, A6 7&6 9 ;&??,) @(89,&(; 124*&33 &(; 18'8*
7&) L 4583 ;8; (4 112) 4 45, : 5,6 45) (?,; 4 45,
8&>>& 7845 45,8) F 6Q &6QG),&;6 8(45,8) 45) &43 &(;
,&15 :&(9,*4 58:3,*9,',)6 8(15 &9),,:&(
5, H2(4& 78458(45, "4 *; 45, : 45&4 45,6 =2)<
= 3,;),42)(8(? 4 45,&(18,(4 =)&1481, 9 45, A,34 48:,3 9
45, ,=2A*81 75,(&** 45, 9981,3 &(;&** 45, :&?834)&18,3
7,), 98**,; A6 ;)&78(? 45, 5 *;,)3 9 45, : 9) : =2)3,3
1 (4&8(8(? 45,(&:,3 9&** 45, 1848>,(3
5,(&3 7, :&6 7,** 8:&?8(,&35 24 7,(4 2= 45&4
:&;, 45, *; 8&>>&)8(? &?&8(Q 583 8(;,,; 7&3 4)2,
*8A,)46 9 A6 45,(&42), 9 458(?3 2(5&==8*6 84 7&3 8:<
= 338A*,9), ,)6 :&(4 A,)2*,)&4 45,3&:, 48:, 5,),
7&3 45,(,O4 A,34 458(?ML 45&4 ,',)6 :&(35 2*; 5&',&
481@,4 8(45,* 44,)6 75,),35&),3 8(45, =*,&32), 9)2*8(?
7,), 45, =)8>,3Q 3 9) 45, D2,348 (3 F< !&: 4 A,
? ',)(,;bG L F 0 5&4 834 A, 45, *8:84 9 45, &245)846 ',)
:, 9 58: 75 83 4 ? ',)(: ,bG L 3215 1 (38;,)&48 (3
7,), 9 9&) 4 52:A*, & (&42), 9) 9),, 1848>,(3 75
&3=8),;, ',)6 :&(9 45, : 4 A, 45, :3,*',3 45, 78,*;,)3
9 45, &245)846 &(; 45, = 7,)
24 75,(45, 35 248(? ',) 4583 ?*)8 23 =) 3=,14 9
? ',)(:,(4 A6 * 44,)6 5&; 1,&3,; & ' 81, 9) : 45, 7
"3=&@, &?&8(
,3Y45, *; =)&1481, 9 45, ,=2A*81 8(843 A,34 ;&6
:234 A,),34),; 24 2(;,) 45, =,12*8&) &(; =,)8* 23
18)12:34&(1,3 8(7 5815 45, 1846 7&3 =*&1,; 45&4 ;,38)&A*,
1 (32: :&48 (1 2*; (4 A,),&15,; 8: :,;8&4,*6 5,
=),3,(4 8?( )6 45,),9), =) = 3,; 4 ;,9,) 4583 A*,338(?
9) 45, 3=&1, 9 (, 6,&) 5,6 ;,:&(;,; 45&4 ;2)8(?

45&4' A)8,9' =,)8 ;' 45,' ;899,),(4' 9981,3' *,?83*&48',' &(;' ! '
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&;:8(834)&48',' 35 2*;' A,' &== 8(4,;' A6' 47,(46' F 11 =.'
=8&4)8'G' (&:,;'9)' 4583' =2)= 3,'&(;' 45&4' 45,3,'F' 11 =.'
=8&4 8R8G' 35 2*;' &3' &' :&44,)' 9' 1 :R3,' A,' (&:,;' A6'
45,:3,*',3'45,'=),3,(4' 8?( )6' 5,6'=) = 3,;'8('35)4'
&'= =2*&)'? ',)(:,(4' ('45,'78;,34' = 338A*,' A&383' ' '
' ' ' &(;' &' 1* 3,' *8?&)1581&*' ;,3= 483:' :,&(758*,'9)'
45,'=),3,(4

24' 45,'8(;,=,(;,(4' 1848>,(3'35 24,;'F' 6'Q &6'QG' 7845'
88(;8:8(835,;' ,(45238&3:' &(;'),42)(,;' 4 ' 45,8)'5 :,3'
7845' 45,'1 (318 23(,33' 9'A,8(?'9),,:,('&(;'=&4)8 43

5,' (*6'),34)8148 (' (' 45,' 3,*,148 (' 9' 45,' 47,(46'
F' 11 ==8&4)8'G' 7&3' 45&4' (8(,4,,(' 9' 45,:' :234' A,'9)46'
6,&8P3' 9' &?,' 5,' =) '838 (' 4523' 12)8 23*6' 9)&:,;' 7&3'
8(4,(;,;'4 ' *,?848:8>,'45,'(:8(&48 (' 9'),(> ' ;8' 8,).'
)&(1,31 ' ;,P' ,;818' 75 ' 7&3' 2(;,)'45&4' &?,

B28118&);8(8'J' ?8',3' 45,'(&:,3' 9',8?54,,(' 9' 45,3,'& .'
8:==)4&(4' F' 11 ==8&4)8'G' 4 ' 75 :' 45,'&A3 *24,' ? ',)(<
:,(4' 9' 45,' 1846' 7&3' 4523' ,(4)234,;' *,&'8(?' &' A*&(@' 9)'
45,' 45,)'47 ' 75 3,'(&:,3' 5,'5&;'&==&8P,(4*6'9)? 44,('&4'
45,' : :,(4' 9' 7)848(?' : (?'45,:' 7,'98(;'&' 8; *98'
&' ;,P' ,)*8' &' &== (8' [8,)]' &')38' &' B82?(8' &' &*.'
'8&48' &' 21,**&8' &' &>>8' &' &)4,**8')&(1,31 ' &*)8' &(;'
),(> ' ;8' 8,).)&(1,31 ' ;,P' ,;8,8'ML &**' (&:,3' 75815'
),:&8(,;'=) :8(,(4' 8(' 231&('5834)6'9)'&?,3'&94,)7&);3'
&(;'3 :,' 9'75815'&),'3 ' 348**

' F 8,18' ;8' B2,))&G' 7,),' (&:,;'9)' 45,'&148',' =) <
3,1248 (' 9'45,'7&)'&?&8(34' 83&' 75815'5&;'(7' (1,':),'
4 ' A,' 2(;,)4&@,(' &3' 89' 8(');,)' 45&4' (458(?' :8?54' A,'
7&(48(?'4 ' 1 :=*,4,'45,' 8**238 (' 9'45,' *;' 48:,3'8(' * <
),(1,'5&'8(?'8(;,,;'),42)(,;'&?&8(' 5,' (:8(&48 (' 9'
45,' F 44 ' ;8' &*8& G' 9)' 45,' :&(&?,:,(4' 9' 45,' ;&8*6'
= *81,' ;248,3' 9' 45,' 1846' 5&;'&*3 ' 4 ' A,' &44,(;,;' 4 ' &4

ID28), : ,(43 9 45, *&7   4 45, ,)6 243,4 8(45, 1&3, 9 45, 98)34 &(; : 34 8 : =)4&(4 ,*,148 (45,6 7,), 1&**,; 2= (4 : &@, L 45&4 4 45, 58?5 9981, 9 B (9&* (8,), L 45,6 9 2(; 45, : 3,*',3 2(&A*, 4 &?),, 4 ?,45,) 3 9&) &3 4 2(84, :), 45&(45),, ' 4,3 (&(6 (, (&: , 5,),32*4 7&3 45&4 45,6 7,), 1 : =,**,; (4 7845 24 ',)6 ?8.,&4 8(H2)6 4 45,8) 7(1),;84 &(; 8(9*2,(1, 4),3 *', 8**,?&**6 45&4 45, 1&(;8;&4, 75 A4&8(,; 45, ?),&4,34 (2 : A,) 9 3299)&?,3 5 2P3 ,',) 9,7 45,6 : 8?54 A, 35 2*; A, 1 (38;,),; ,*,14,; 8(34,&; 9 8(38348(? (45, &?),,< : ,(4 9 &(&A3 *24, : &H)846 9 45, ,*,14)3 J

4 7&3 = 338A*, ,(2?5 &3) 9,33) 8**&)8 7,**), : &)@3 45&4 4583 3634, : 9 (: 8(&48(? 4 45, 9981,3 A6 F 11 =. =8&4)8G 35 2*; 7)@ 3 : 45*6 &(;),?2*&)*6 &3 * (? &3 45,6 45, : 3,*',3 7,), &== 8(4,; 8( ),&*846 89 (4 &' 7,;*6 A6 3 : , ?),&4 &(; *,&;8(? 1848>,(75,45,) &(*A8>>8) & ,;818 &(; &** 45,6 5&; 4 ; 7&3 4 15 3, 45, : ,(9 583 =&)46 75 7,), : 34 &?),,&A*, 4 58 : (; 4523 84 5&; A,,(8(&** 45, 9) : ,) 1&3,3 38(1, 4583 : ,45 ; 5&; A,,(98)34 &; =4,; 24 (7 75,(45, F 11 ==8&4)8G 5&; A,,(3,*,14,; A6 & :8O,; A ;6 45) 7(4 ?,45,) A6 45, &1118;,(43 8(18;,(4&** 4 45, : 948,(43 9 1 (9238 (9 *< * 78(? 8,4) P3 9*8?54)&45,) 45&(15 3,(7845 &(6 '8,7 4 5 : ?,(,846 9 =&)46 L 75,(92)45,) 45&4 A ;6 5&; (4 A,,(&A*, 4 1 (32*4 ,',(3215 &: 2(4 9 2(846 9 3,(48< : ,(4 &3 ,O834,; &: (? 45, : A24 5&; 9,*4 45, : 3,*',3 A*8?,; (45, 1 (4)&)6 4 &; :84 &: (? 45, F 11 =< =8&4)8G : ,( ),=),3,(48(? 45, : 34 ;8& : ,4)81&**6 == 3,; '8,73 45, ? ',)(: ,(4&** :&1588(, 9 75815J 4583 A ;6 9 F 11 ==8&4)8G 7&3 45, : &8(3=)8(? 7 2*; (4 0)@ &4 &**

) ; ,3 45,), 3,, : 4 5&', A,,(&(6 : &(75 3, 4&*,(43 &(; = 3848 (7,), 3215 &3 4 ,(&A*, 58 : 4 &332 : ,

+ 8394 #1,346 94 436.76 89 8. 24E 4 O422834 O418 94 #8+ +,2

3215 &(' &245)846 &3 7&3 3),*6 (,,;,;'9)'45,' ? ',)(&(1,' 9'45,')2;;,)*,33'358='9'45,' 4&4,')&(1,31' &*)8 7&3' &' :&(' 9' ,(,)?6'&(;' 9'&' 1,)4&8(')2;,'&A8*846'ML &' :&(' 9' 45,'34299' 9'75815'3211,3392*';,:&? ?2,3'&),' :&;,'ML A24' 5,'7&3' (4' ( )' 5&;'45,'1&=&1846'4 'A,1 :,' &'34&4,3:&(' ',(' 8,4)' &== (8 7&3' (4' &;&=4,;'9)'45,' =&48,(4'&(;' A&99*8(?' 7)@' 9'45,'1 2(18*'15&:A,)' ,'7&3' ,33,(48&**6' &' :&(' 9' &148 ('ML &' :&(' 4 ' 124' 35)4' ;,A&4,' A6' 3215' &' 7);' &3'45&4' 75815' 3= @,(' 4 '45,' $8(?' 9')&(1,' 5&3'8:< :)4&*8>,;' 583' (&:,'M A24' (4' (,' 4 ' 1 (;214' &' 45)(6' ;,A&4,' 4 ' &' 3211,3392*' 8332,')' 4 ' A4&8(' 45&4' :&34,)6' 8(' 45,' = *8481&*' &),(&' 75815'5,' 5&;'35 7('58:3,*9' 3 '1&=&A*,' 9'3,8>8(?' (' 45,'A&44*,.98,*; J

5,),'7&3' A24' (,' :&(' 8(;,,;' 8(' *),(1,'75 '5&;'&' ',)84&A*,' @8(?358=' ',)' :,(' A6'),&*')8?54' ;8'8(,' (;' 45&4' 7&3'45,' :8(81&(' 9)8&)' &' (&) *& L F'<' " *' &3' 5,'7&3'1&**,;'A6'&*'45,'1846'8('45 3,';&63' 583'9)8&)'5&;' 45,'5,&',(.A)(' ?894' 9')2*8(?'&(;' ?28;8(?'45,' :8(;3' 9' :,(' ,' &* (,' 8(' 45 3,' ;&63' 1 2*;' :',' 45,' = =2*&)' :8(;';8),14' 84' &4' 583' =*,&32),'&(;'1 :=,*'1 (9*8148(?'8(< 4,),343' &(;' 3,*9835(,33,3' 4 ' 9)?,4' 45,:3,*',3' &(;' 2(84,' 8(',99)4'9A)'45,'=2A*8`' 7,&*

24' &' (&) *&.' 7&3' &' : (@' 4784534&(;8(99' 45, =8(8 (' 9'45&4' 34 24' *;'),=2A*81&(' &);8' 45&4' 89' :,(' 7 2*;' (*6' 5&',' *834,(,;' 4 ' &' (&) *&' 5,' 7 2*;' 5&',' 35 7(' 45,:' 45,' 7&6' 4 ' &' ? ;' &(;')&48 (&* 9):' 9' ? ',)(:,(4' 84' 1&(' 5&);*6' A,' ;,(8,;' 45&4' 45 3,' 75 ' 45 2?54' &3' 5 (,34' E&1 = ' 4,**3' 23' 45&4' 45,')8&)' @(,7' (458(?' 9'18'8*' ? ',)(:,(4' 5&;'3299818,(4*6'34) (?' ?) 2(;' 9)'45,(P =8(8 (' &' (&) *&' !" '*834,(,;' 4 ' ,7' :,(' 5&',' ,',)' A,,(' *834,(,;' 4 ' A6' 45,8)' 1 (4,:=)&)8,3' 7845'),32*43' 8(;81&48(?'3 '8:='8184' &(' A,;8,(1,' 4 '45,8)'&245 <)846' 24'75,('45,': ;,'8('75815'5,',0,)4,;'583'8(9*2,(1,

=) ;21,;' &2;' 9 34,),;' 4*8,' 3,(3,' 9' &(;' &' * ',' 9)' 1 :.' ' :2(&*')8?543' &(;' 9)&(1583,3' ,01*2;,;' &**' ;2,' 1&),' 9)' 8(;8'8;2&*' *8A,)46' 24' A,38;,3' 4583' 8(&=4842;,' 75815' 5,' 35&),;' 7845' & ' 583' 1 (4,:=)&)8,3' &' (&) *&' 7&3' 34) (?*6' 15&)&14,)8>,;' A6' 45&4' 3=,18&*' =)8,34*6' 8(1&=&1846' 75815' 8(' &**' =*&1,3' &(;' 8(' &**' 48:,3'),(;,)3' :83158,' 23' ,',)6' &44,:=4' ('45,'=&)4' 9' =)8,343' 9' 75&4,',)' 1),,;' 4 ' :,;;*,' '845' 45,' 18'8*' ? ',)(:,(4' 9' :&(@8(;'ML 45,'8(1&=&1846' 9)' ;8348(?28358(?' A,47,,(' 38(' &(;' 1)8:,'M)' &4' *,&34' 9' ;83< 48(?28358(?' A,47,,(' 45,:' 4 ' 3215' =2)= 3,' &3' 4 ' @,,=' 1*,&)*6' A,9),' 45,8)' :8(;3' &**' 45,' *&73' &(;' =)8(18=*,3' 45&4' 9* 7'9) :'45,' ;8348(148 (' 112=8,;' 7845' &**' 45,'= 7,)3' 9' 583' :8(;' &(;' 3 2*' 8(' &' *89,.* (?' A&44*,' &?&8(34' 38(' '84' 83'=,).C 5&=3'8:= 338A*,' 9)' &' >,&* 23' =)8,34' 4 ' 1 (1,8',L &4' *,&34' 4 ' &(6' =)&1481&*' =2)= 3,L C45&4 45,' 18'8*' :&?834)&4,' 1&(' 4&@,' ('=&)4' 7845' 58:'8(' &(6' 3215' 1)23&;,' 0 5,(' &):,;' 7845' 18'8*' = 7,)' 58:3,*9' 84' 83' 75 **6' 8:= 338A*,' 4 ' 58:' 4 '),9)&8(' 9) :' &44,:=48(?' 4 ' 23,' 84' 9)' =:P= 3,3' 75815' 5,' 5&3' : 34' ;,,=*6' &4' 5,&)4' &(;' 75815' 5,' ;,,:3' : 34' 92(;&< :,(4&**6' (,1,33&)6' 9)' 45,'A,34' 8(4,),343' 9' 45 3,' 75 :' 5,' 83' 1&**,;' 2= ('4 '? ',)(

5,' :),' ,&)(,34' 45,' :),' 75 *,.5,&)4,;' &'=)8,34' 83' 8(' 583' 7(' =) =,)' 'C)@' 45,' :),' 8(1&=&A*,' 78**' 5,' A,' 9' 7)@8(?' 4 ' &(6' ? ;' =2)= 3,' &3' J& 18'8*')2*,)'M &(;' 45,' :),' 8(4 *,)&A*,' 78**' 84' A,' 4 ' 58:' 4 ' &;:84' 45,' 92(;&:,(4&* 2(;,).*68(?'),&3 (' 75815' :&@,3' 84' 8:= 338A*,' 9)' 45,' 18'8*' :&?834)&4,' 9' &'9),,' 1 ::2(846' 4 ' &44,:=4' 45,'),=),338 (' 9' 38(' &3' ;8348(?2835,;' 9) :' 1)8:,')' :83;,:,&( )'ML ' (&:,*6' 45,' &A3,(1,' 9' &**' 7&))&(4' &245)8>8(?' 58:' 8(' 583' 15&)&14,)' 9' :&?834)&4,' 4 ' ;,1*&),' 75&4' 83' 38(' &(;' 75&4' 83' (4

5,')8&)' 9' 4 ' &)@P3' 7&3' &(' ,&)(,34' &(;' 75 *,< 5,&)4,;' =)8,34' ,&?,)' 89' ,',)' :&(' 7&3' ,&?,)' 8(' 45,' 98?54' &?&8(34' ,'8*' 9' ,',)6' @8(;' (;'45,'),32*4' 7&3' 45&4' 5,'3' 23,;' 45,' = *8481&*' = 09,)' 75815' 583' 7(' &A8*846' &(;' 45,

(4' ; ' A,44,)' 45&(' 8 : 84&4,' 8(' 4A,'),.)?&(8>&48 (' 9' 5,)' 1 (3484248 (' (' ,(81,' &* (,' 9' &*' 45,' 34&4,3' 9' 4&*6' ('),' *248 (3' 5&;' 5&==,(,;'4 ' ;,3 *&4,' 45,' 1846' 7845')=) < 31)8=48 (' &(;')28(' (' = =2*&)' 24A),&@3' 5&;' ,(;&(?,),;' 45,' *8',3' &(;' =) =,)46' 9' 45,' 1848>,(3M &(;' ('46)&(4' 5&;' &)83,(' 4 ' 1 (9831&4,' 4 ' 583' 7(' =) 984' 45,' *8A,)48,3' 9' 45,' ,=2A*81' ,(81,' &: (?' &*' 45,' '&)8,;'.9)42(,3' 9' 45,' 4&*8&(' 1848,3' &(;' 45,' ;,34)2148 (' 9' 45,' *8A,)48,3' 9' : 34' 9' 45,: L C ,(81,' &* (,')," : &8(,;' &*7&63' 45,' 3&: ,' 34&A*,' I9),,' &(;' =) 3=,) 23' ,4' *),(1,' 45,(' &; =4' &' 38 : 8*&)' 9) :' 9' ? ',)(: ,(4' &(;' 35,' 7 2*;'),&=' 9) :' 84' 38 : 8*&)' 9)284

) 9,33)' 8**&)8' 8(' 45,' ,01,**,(4' 7)@' 75815' 5&3' A,,(' 3 ' 94,('D2 4,;'8('45,3,' =&?,3'5&3' 3 :,' 8(4,),348(?'),:&)@3' (' 4583' 315,:,' 9' 8 : =)48(?' 8(4 ' *),(1,' 45,' ,(,48&(' 1 (3484248 (' ,' ;)&73' &' =&)&**,*' A,47,,('&(18,(4' ,(81,' &(;' *),(1,' ('45,' (,' 5&(;'&(;' : ;,)(' (?*&(;'&(;')&(1,' ('45,' 45,)' 35 78(?' 45&4' 84' 7&3' &3' 8 : =)&1481&A*,' 9)' *),(1,' 4 ' &1D28),' 45,' &;'&(4&?,3' 35,' 3 2?54' A6' A)) 78(?' ,(,48&(' 8(3484248 (3' &3' 84' 7 2*;' A,' &4' 45,' =),3,(4' ;&6' 9)')&(1,' 4 ' 98(;' = *8481&*' 34&A8*846' A6' &; =4< 8(?'45,'9) :3' 9'45,' (?*835'1 (3484248 (' (;'5,'92)45,)' A3,)',3' 45&4' 45,' :&8(*6' 8 : =)4&(4' ,*,:,(4' 75815' 8(' ,845,)' 1&3,' ,0834,;' &(;' ,08343' 8(' 45,' :),' 34&A*,' A ;6' = *8481' &(;' 75815' 84' 7&3' &(;' 83' 8(' ,845,)' 1&3,' 8 : = 338A*,' 9)' 45,' :),' 4,:=,3*.4;33,;' 4&4,' 4 ' 8 : =)4')' 8 : 84&4,' 7&3' 8(' ,(81,' &(;' 83' 8(' (?*&(;'&('&(18,(4' &)834 1)&16

583' (48 (' 9' A)) 78(?' 45,' ,(,48&('1 (3484248 (' 7&3' 5 7,',)' &4' 45,'48 : ,' 9' 75815' 7,' &),' 3=,&@8(?' 45,' 9&' 2)84,' (34)2 :' &4' *),(1,' 9)' 45,' 12),' 9' 45,' &* : 34' ;,3=,)&4,' = *8481&*' : &*&;8,3' 9' 45,' : : (7,&*45M' &(;' &' (&) *&' 7&3' &: (?' 45 3,' 75 ' : 34' 7&) : *6' &;' 1&4,;' 84' 5,' ;,A&4,3' (' 45,' 2)?,(4*6' =),338(?' 32AH,14' 9' 45,' (&42),' 9' 45,'),9) : ' 75815' &*' &; : 844,;' 4 ' A,' &A3 *24,*6' (,1,33&)6' 75815' 112=8,;' 3 ' *&4,' 8(4 ' 45,' (8?54' 45,' : 215.=2>>*,;

&(;' :215.; 2A48(?' F 7,(46'G'8('45,'1 2(18** 5&**3' 9'45,'
&*&1,'3,,:'4' 5&',' 9&**,(' :&8(*6'8(4 ' 45,'5&(;3' 9'47 '
,&;8(?' :,:A,)3' 9'45&4' A ;6'A 45' 14)3' 9'&7'75 '
4 @';899,),(4'38;,3' (' 45,' 32AH,14' 5,3,'7,),' &? * J'
(4 (8 ' ;,)8(8'75 '),=),3,(4,;' 45,' :),' = =2*&)'&(;'
;,: 1)&481' '8,73'&(;' B28; ' (4 (8 ' ,3=2118'75 ' 32=<
=)4,;' 45,' =8(8 (3' &(;'1*&8:3' 9'45,' &)834 1)&481'1*&33,3'
)' F' 448:&48 G' &3' 45,6'A,?&('4 'A,'1&**,;' 5,' 3=,,15,3'
9'A 45'45,3,' 34&4,3:,(' 5&',' A,,(' =),3,)',;' A6' B28118&)<
;8(8'&(;' ?8',(' &4' ?),&4' *,(?45'8(' 583' ?,(,)&** 5834)6'&(;'
45,6'5&',' A,,(',=84 :8>,;' A6') 9,33)' 8**&)8 9
5,' ?),&4' = 8(4' 9' ;899,),(1,' A,47,,(' 45,' == (,(43'
7&3'45,'&; =48 (' 9'45,' ,(,48&(' B)&(;' 2(18*' ;,)8(8'
2)?,;'45&4'45,' 7,(46'35 2*;'&4' (1,'),38?(' 45&4'&'B),&4,)'
2(18** 35 2*;' A,' ,34&A*835,;'&94,)' 45,' :&((,)' 9'45&4' 9'
,(81,'8(4 ' 75815'&** 45,'1848>,(3'75 '= 33,33,;' 45,'9)&(<
1583,' 35 2*;' ,(4,)M &(;' &' 3:&**,)' 2(18**)' ,(&4,'
38:8*&)' 4 ' 45,' F),?&;8G' 9'45,' ,(,48&(3'4 ' A,'9):,;'
9'45,' 4488(&48'8('75815'3215'A238(,33' 9'45,' 4&4,'35 2*;'
A,'4)&(3&14,;' &3' 7&3' (4' 9844,;' 9)' =2A*81' ;,A&4,' ,3<
=2118'8(' 1 :A&48(?' 4583' =) = 3&*' 3= @,' &4' *&)?,' 9' &**
45&4'C *),(1,' 5&;' 3299,),;' 8(' =&34' 48:,3' 9) :' = =2*&).'
,01,33'M &33,)4,;' 45&4'45,' =, =*,' 9' ,(81,'7,),' 9&)' :),'
984'4 ' A,'4)234,;' 7845'= *8481&** = 7,)' 45&('45,' *),(48(,3'
A6'),&3 (' 9'45,8)'(&42)&**6'?),&4,)' =)2;,(1,'?)&'846'&(;'
34,&;8(,33' 9'15&)&14,)M &(;'92)45,)' = 8(4,;' 24'45&4' (4<
784534&(;8(?' 4583'45,'B),&4' 2(18** &4' ,(81,'7&3' (4'8('
9&14' 1 :=3,;' 9'45,' =, =*,'A24' 9'?,(4*,:,(' '4583'
*&44,)' A3,)'&48 (' 84'7&3'),=*8,;' (' 45,' = =2*&)'38;,'45&4'
&'F?,(4*,:&('G'&4' ,(81,' 112=8,;'45,'3&:,'3 18&** = 3848 ('
&3'&'F'1848>,('G'&4' *),(1,M 8(&3:215'&3'84'7&3' (4' =) <
= 3,;'45&4'45,'= =2*&1,'35 2*;'A,'&;:844,;'4 '45,'1 2(18*

'' '5,5*283' *=:8.'%,3)',% 8,2,
1' *4::48394.4' #1,348' 9@218248'24E3,'44':85'4'+,2'4'=' '69':41 4
O422834'+,2'4'5' X

(;‘ &*45 2?5‘ 45,‘ 92(;&:,(4&**6‘;899,),(4‘ 1 (3484248 (‘ 9‘]
3 18,46‘ &4‘ ,(81,‘ =*&1,;‘ &‘ :),‘ ;8348(14‘ &(;‘ 34) (?*6‘ WUX8
:&)@,;‘ *8(,‘A,47,,(‘45,‘?,(4*,:&(‘&(;‘45,‘=*,A,8&(‘75‘
7&3‘,O1*2;,,;‘9) :‘=*8481&*‘)8?543‘6,4‘84‘7&3‘D284,‘4)2,‘
45&4‘45,‘),34)8148 (3‘75815‘&4‘ *),(1,‘,O1*2;,;‘&**‘45,‘
* 7,34‘1*&33,3‘9) :‘F‘1848>,(358=G‘=) =,)*6‘3‘1&**,;‘1 (<
348424,;‘45 3,‘&;:844,;‘4‘84‘&‘3,*,14‘&(;‘32=,)8)‘1*&33‘
',(‘ &' (&) *&‘ (*6‘=) = 3,;‘45&4‘&**‘45 3,‘1848>,(3‘
35 2*;‘ :&@,‘=&)4‘ 9‘45,‘B),&4‘ 2(18*‘75‘7,),‘,*8?8A*,‘
A‘45,‘45),,‘?),&4,)‘ 9981,3‘ 9‘45,‘ ,=2A*81‘&(;‘75 3,‘
9&45,8P3‘?)&(;9&45,)3‘&(;‘K?),&4.?)&(;9&45,)3‘5&;‘A,,(‘3‘
A,9),‘45,:ML&‘1 (;848 (‘75815‘&* (,‘7 2*;‘3,,:‘4‘
1 (98(,‘45,‘9)&(1583,‘4‘&‘4 *,)&A*6‘1* 3,‘18'81‘&)834 1)&16M
A,38;,3‘75815‘&**‘7,),‘4‘A,‘,O1*2;,;‘75‘7,),‘(4‘
F‘ ‘ ‘ GL45&4‘83‘4‘3&6‘75 3,‘(&:,3‘&==,&),;‘
(‘45,‘,‘ *‘)‘),?834,)‘ 9‘3215‘&3‘7,),‘;,A4)3‘4‘
45,‘ 4&4,‘ (‘&11 2(4‘ 9‘45,8)‘4&O,3‘ 2)45,)‘(‘:&(‘7&3‘
4‘A,‘,(484*,;‘4‘&‘3,&4‘8(‘45,‘1 2(18*‘75‘5&;‘(4‘1 :=*,4,;‘
583‘47,(46.(8(45‘6,&)

5,),‘7&3‘(‘;2A4‘45&4‘45,‘=8(8 (‘32==)4,;‘A6‘
;,)8(8‘7&3‘45&4‘9‘45,‘?),&4‘:&H)846‘9‘45,‘1846‘F‘24.‘
9.;)3‘MG‘A24‘45,‘:),‘&)834 1)&481‘45,)8,3‘9‘ ,3=2118‘
9 2(;‘45,‘?),&4,)‘32==)4‘8(‘45,‘ &*&1,‘ ,4‘84‘7&3‘8:<
= 338A*,‘9)‘45 3,‘75‘5&(@,),;‘&949,)‘3215‘&‘1 (3484248 (‘
&3‘ :8?54‘,(&A*,‘45,:‘4‘@,,=‘45,‘= 7,)‘9‘45,‘ 4&4,‘8(‘
45,8)‘ 7(‘)‘45,8)‘9)8,(;3P5&(;3‘4‘58;,‘9) :‘45,:3,*',3‘
45,‘;&(?,)‘9‘A&2*@8(?‘45,‘=, =*,‘9‘45,8)‘5 =,3‘8(‘45,‘
=),3,(4‘4,:=,)‘9‘45,‘=2A*81‘:8(;‘ (;‘B28118&);8(8‘
; ,3‘ (4‘5,384&4,‘4‘ ,O=),33‘583‘ =8(8 (‘45&4‘3215‘&(‘
&44,:=4‘7 2*;‘8(‘&**‘=) A&A8*846‘5&',‘*,;‘,845,)‘4‘&(‘ 24<
A),&@‘9‘= =2*&)‘*81,(1,‘)‘',)6‘= 338A*6‘4‘&‘ ,;81,&(‘
),3)&448 (

24‘758*,‘45,3,‘=) 4)&14,;‘;,A&4,3‘7,),‘A,8(?‘1&))8,;‘
(‘8(‘45,‘ &*&1,‘7845‘*844*,‘&==&),(4‘=) A&A8*846‘9‘&(6‘
=)&1481&*‘),32*4‘45,‘:&44,)‘7&3‘A,8(?‘4&@,(‘8(‘5&(;‘A6‘&

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:),', (,)?, 481' &(;' = 7,)92** 1 2(3, **)' (;' 45, ' *), (< 48(,' =2A*81' 7, &)6' 9' 2(1,)4&8(46' &(;' 323=, (3, ' &(;' A, < 1 : 8(?' , ',)6' ;&6' *, 33' ;83= 3, ;' 4 ' =*&1, ' 1 (98; , (1, ' 8(' 45 3, ' 75 ' 5&;' (: 8(&**6' 45, ' 35&=8(?' 9' 45, ' 1846P3' ; , 348(8, 3' 8(' 45, : ' 5&(;3 ' 7, 8J, ' 3, , @8(?' ?28; &(1, ' 8(' &(45,)' D2&)4,)' 2)8(?' &** 4583' 48 : , ' &' (&) *&' 5&;' A, , (' =), &158(?' 4 ' 1) 7; , ;' &2; 8, (1, 3' 8(' 45, ' 2 : ' &(;' &1D28)8(?' 9) : P; &6' 4 ' ; &6' &' ?), &4,)' &31, (; &(16' ',)' 45, ' =2A*81' : 8(; ' 24' 84' 7&3' (4' 48**' 45, ' , (;' 9' 45, ' 6, &) L C(4' 48**' 84' A, 1& : , ' 1*, &)' 45&4' *844*, ' 23, 92** ?28; &(1, ')' &' &8*&A*, ' 8(848&48', ' 7&3' 4 ' A, ' , O=, 14, ;' 9) : ' 45, ' 0" ")) ' 0@ L 45&4' 583' 3,) : (3' A, ?&(' 4 ' A, ' &' 7, ; *6' &(;' ; 8), 14*6' = *8481&*' , 9), ' 45&4 ' 45 2?5' 583' ; 831 2)3, ' 7&3' 1 (48(2&**6' 112=8, ;' 7845' 45, ' =2A*81' &99&8)3' &(;' =) 3=, 143' 9' 45, ' 1846 ' 843' 2(5&==6' 1 (< ; 848 (' &(;' : &(89 *;' d*. ; 8(?3 ' 5, ' 5&;' 1 (4, : =*&4, ;' 45, 3, ' 458(?3' (*6' ?, (,)&**6' &(;' 9) : ' &'), *8?8 23' = 8(4' 9' '8, 7 ' 7845 24'), 1 : : , (; 8(?' &(6'), : , ; 6' 9)' 45, ' , '8*3' 5, ' ; , < =*), ; '3&', ' 45, ' :), ' =) =,)*6' =) 9, 338 (&*), : , ; 8, 3' 9' =, (8< 4, (1, ' 15&)846 ' &(;' &' ? ; *6' *89,

) : ' 45&4' 48 : , ' 9)7&); ' 583' 3,) : (3 ' 7845 24' * 38(?' 45, 8)'), *8?8 23' 15&)&14,) {.9)' 5, ' 1 (48(2&**6' 8(3834, ;' (' 45, ' (, 1, 33846' 9' &' ?), &4' &(; .?, (,)&*), 9) : ' 9' *89, ' &3' &(' &A3 *24, ' ' &' '" ' 9)' 45, ' , 34&A*835 : , (4' 9' &' ; 2)&A*, ' 3634, : ' 9' 3, *9.? ',)(: , (4 L CA, 1& : , ' &' 7, ; *6' &(;' =)&148< 1&**6' C= *8481&*') 7; , ;' &) 2(;' 583' =2*=84 ' 45, ' =, =*, ' *834, (, ;' 4 ' ; 83D283848 (3' &(;' =*&(3' 9' = *8481&*)?&(8>&48 (' 75815' ?)&; 2&**6' 8(9) : , ; ' 45, 8)' : 8(;3' 7845' 1*, &)' 8; , &3' 9' 75&4' 84' 7&3' 45&4' 45, 6' 7&(4, ; ' &(;' 75&4' 7&3' 45, ' 3 18&* &))&(?, : , (4' A, 34' &; &=4, ;' 9)' 45, ' 3, 12)8(?' 9' 84 ' (;' 4523' 84' 7&3' (4' 8(' 45, ' &*&1, ' A24' 8(' 45, ' 2 : ' 45&4' 45, ' (, 7' 1 (3484248 (' 9' 45, ' : : (7, &*45' 7&3', *&A)&4, ;

('); ,)' 92**6' 4 ' &==), 18&4, ' 45, ' 34&4, 3 : &(. *8@, ' D2&*848, 3' &(;' &A8*846' 9' 45, ')8&)' &(;' 45, ' 8(9*2, (1, ' 75815' 5, ' , O,)< 183, ;' &4' 4583' 48 : , ' (' 45, ' 9)42(, 3' 9' 45, ' , =2A*81' 84' 7 2*;' A, ' (, 1, 33&)6' &3') 9, 33)' 8**&)8 3&63' F4 ' 7' 34, =' A6

34,='45,'9):&48 2' 9'45,' (,7'1 (3484248 (' &(;'4 '),&;'&4' 45,'3&:,'48:,'45,'3,): (3'75815'5,'7&3'=),&158(?';2)8(?' 45&4'=,)8 ;'9) :';&6'4 ';&6' 05,(' 7,'3,,G'1 (48(2,3') 9,33)' 8 &)8'F'45&4'&**' 45,' (,7'*&73' &),'=),1,;,;'A6' (,')':):),' 9' &' (&) *&P3'3,): (3'8(' 75815'45,6'&),'=) < = 3,;'1 2(3,**,;'&(;',O=*&8(,;'4 '45,'=, =*,'&(;'75,(' 7,'9[8q* |'' 45,';,A&4,3'J' 9'45,' 8?( )8&'8(' 45,' &*&1,'&(;' 98(;' 45,' 1848>,(3' 45,),' 238(?' 45,')8&)P3' ',)6'*&(?2&?,' &;;218(?' 583' &)?2:,(43'8(' 583' 7(' 7);3'4 '3215'&(' ,O4,(4'45&4'84':8?54'A,'32== 3,;'45&4'45,8)'3=,,15,3'7,),' :,),'),=,4848 (3' 9'583'3,): 3'45,(' &(;'45,(' (*6'&),'7,' :&;,'&;,D2&4,*6'&7&),' 9'45,';,?),,'8(' 75815'4583' (,':&(' 5&;'A,1 :,'45,'8(9):8(?'3 2*' 9'45,'75 *,'=, =*,G 5,',* D2,(4'&(;'&A*,'A8 ?)&=5,)' &(;'3 :,75&4'4 ' ,(45238&3481' &;:8),)' 9' &' (&) *&' ? ,3' (' 4 '3&6'45&4'&(' &;,D2&4,'H2;?:,(4' 9'583'5,)'1&(' A,'9):,;' (*6'75,(' 5&'8(?' 45) 2?5*6' ,O&:8(,;' 45,' 1 (3484248 (' 4523' ,*&.' A)&4=;' 7,'98(;'84' F&;:8)&A*,'8(' &**' 843' =&)43' :&?(8< 981,(4*6' ?)&(;'8(' 843' ,(48),46'&(;'5,&)' 45,'' 81,' 9'&**' 45,'?),&4,34' 4&*8&(' 5834)8&(3'&(;'34&4,3:,(' 2(&(8: 23*6' &33,)48(?' 45&4'84'83' (4' (*6'45,'A,34'A24'45,' (*6'? ;' 9):' 9'? ',)(:,(4'45&4' P'),(1,',)' 5&;' ;2)8(?' 5,)' *(?'&(;'42:2*42 23' 5834)6G' 4'3,,:3'4 ':,'5 7,',)' 45&4'4583'83'? 8(?'&'*844*,'4 '9&)' 4'83'D284,'4)2,'45&4'45,' ?),&4,34' 5834)8&(3'&(;'34&4,3:,(' 9' 4&*6'),?&);,;' 45,')8&)P3' = *8481&*' 7)@'&3'5&'8(?'A,,('&;:8)&A*6'&;&=4,;'4 ' 45,'(,1,33848,3' 9'45,'48:,'&(;'=) A&A*6'45,':,&(3' 9'3&'8(?' *),(1,'9) :'&(&)156'&(;'18'8*' 7&)' (' 4583' = 8(4' 45,'),&;,)' 7 2*;' ;' 7,**' 4 '1 (32*4' B28118&);8(8P3' 8&* ?2,' F ,*' ,??8:,(4 ';8' 8),(>,G'8(' 45,'3,1 (;' '*2:,' 9' 45,'F =,),'8(,;84,G'=)8(4,;'9)'45,'98)34'48:,'8(' J

'" c <4:<)8;'=1422' E6'9,.6'4.'1<6' #'I,*3.82='%'1<6'53,:6694.>='536B =63+69'4.'1<6' 2,36.14.6'83:<4+6=

4' 5,'),:&)@3' :&;,'A6') 9,33)' 8**&)8' (' 45,';899,),(1,'A,47,,(' B28118&);8(8'&3'5,'&==,&)3'8(' 583'7,**.@2 72'5834)6' 5815'T7&3 7)844,(

9&14 112=8,;' &' 38:8*&)' 3 18&*' = 3844 (' 4 ' 4*8&4' 9' &' ,(,.' 48&(' F'?,(4*,:&(G

' ',)6' 9&)' 7&3' 45,' B)&(;' 2(18*' &3' ,34&A*835,;' 8(' &11);&(1,' 7845' &' (&) *&P3' '8,73' 9) :'),&**6' 8(1*2;8(?' &*' 45,' 1848>,(3' 9' :&42),' &?,' 45&4' 75,),&3' 45,' = =2*&48 (' 9' *),(1,' 5&3' A,,(',348:&4,;' 4 ' 5&',' &: 2(4,;' &4' 4583' 48:,' 4 ' (8(,46'45 23&(;' 3 2*3 J' 45,),' 7,),' =) ',;' 4 ' A,' (*6'45),,' 45 23&(;' 47 ' 52(;),;' =,)3 (3';2*6'D2&*898,;' 4 ' 384' 8(' 45,' &33,:A*6' 5,' (,7' *&7' =) '8;,;' 45&4' 75,(' 45,' (2:A,)3' 1 := 38(?' 45,' B),&4' 2(18*' 35 2*;' ,01,,;' "" ' 45,6' 35 2*;' A,' ;8'8;,;' 8(4 ' 45),,' =&)43' (,' 9' 75815' 35 2*;' 9):' 45,' 2(18*' 9)' &' =,)8 ;' 9' 38O' : (453' 4 ' A,' 45,(' 3211,,;,;' 8(' 9981,' A6' 45,' 45,)' ;8'838 (3',&15' 9)' &' 38:8*&)' 4,):' 523' &4' 45,' 243,4' 45,' B),&4' 2(18*' 1 (3834,;' 9' *844*,' :),' 45&(' &' 45 23&(;' 24' 45,),' 7&3' (' 5&*' 8(' *),(1,'*&)?,',(2?5'9)' 45,' &11 :: ;&48 (' 9' 3215' &' :,,48(?' ' 45&4' :&?(8981,(4' 15&:A,)' &94,)7&);3' &;)(,;' A6' 815&,*' (?,* ' &3&)8' &(;' 45,)3' &(;' @(7(' &4' 45,' =),3,(4' ;&6' &3' 45,' &*&' ;,P 8(D2,' ,(4 ' 7&3');,),;' 4 ' A,' 1 (34)214,;' 2(;,)' 45,' 32=,)8(4,(;,(1,' 9' 8: (,';,* **&82 * ' 32)(&:,;') (&1&' ',)' &' A28*;8(?' 75815' 7&3' 23,;' 9)' 45,' 1234 :.5 23,' 8: :,;8&4,*6' &4' 45,' A&1@' 9' 45,' :&8(' A ;6' 9' 45,' 0" ")) ;0' # 4' 7&3' =) '8;,;' 92)45,)' &3' &(' 8(184,:,(4' 4 ' 5 (2)&A*,' &:A848 (' 45&4' ,',)6' 45),,' 6,&)3' 3804 6' 1848>,(3' 35 2*;' A,',*,14,;' 4 ' 384' 8(' 45,' 2(18*' 24' 9' 45 3,' 75 ' C6,),' (4' 45,)783,',(484*,;' 4 ' ; ' 3 ' (;' 7845' &' '8,7' 4 ' ,(1 2)&?8(?' 45,')838(?' ?,(,)&48 (' 4 ' 8(4,),34' 843,*9' 8(' =2A*81' &9* &8)3' &(;' =8,=&),' 843,*9' 9)' 45,' 48:,' 75,(' 84' 35 2*;' A,' 1&**,;' (' 4 ' *,?83*&4,' 9)' 45,' :: (7,&*45' 45,' *&7' ;8),14,;' 45&4' 47,(46.9 2)' 6 2(?' :,(' 9' 47,(46.9 2)' 6,&)3' *;' 35 2*;' 38:8*&)*6' A,' ,*,14,;',',)6' 45),,' 6,&)3' 4 ' 384' &: (?' 45,8)',*;,)3

5,' 98)34' ;246' 9' 45,' B),&4' 2(18*' 4523' 1 (348424,;' 7&3

83:< ' ,% 1<6' 36.:<' 83) ;' 1<3,*><' 182; .1436' =*::6=' ,% 1<6' 36.:<' 83) = 34*) 5<8.1' 6.13;' ,% <8326=' 4.1,' 8526= ,.9*:1' ,% 1<6' 36.:<' 81' 8526= <8326=' 268+6=' 8526= 68:<6=' ,)6 <8326=' 81' #46.8' ' 6624.>=' 81' 2,36.:6' 1,G839=' 1<6' 36.:<' H4.> #8+,.83,28' +4=41=' <8326=' 81' ,>>4E,.=4 <8326=' 81' 4=8 68+6=' !@ .138>*6=' 4.' :,)) 8.9' ,% 1<6' :418962 6>,14814,.=' G41<' 1<6' 36.:<' 81' =14 3963' %,3' 1<6' 36=1,3814,.' ,% 4=8' =6.1' 1,' *=:8.; !4=,E6I69' E;' !@ .138>*6=' ' <,' 6+6.1*822;' >4+6=' *5' 1<6' :418962' 1,' 1<6' 4=8.= #13,.>' 96=436' 81' 2,36.:6' 1,' 36:,.A*63' 4=8 4=8.=' >4+6' 1<6)=62+6=' *5' 1,' 428.' 8.9' O6.4:6 *9,+4:,' ,% 428.' 563=*896=' O6.4:6' 1,' *.96318H6' 1<6' <,294.>' ,% 4=8' 82,.6 2,36.:6' 36%*=6=' 1,' I,4.' 1<6' 268>*6' *.26==' 4=8' E6' 36=1,369' 1,' <63 <;' #8+,.83,28' G8=' 8.D4,*=' %,3' 1<6' 36.:<' H4.>' 4;' 361*3.' 1,' 182; 4=' 53,5<6:46= 8182' 581<' 6.16369' ,.' E;' #8+,B .83,28 .)41;' 6D:4169' E;' <4=' 5368:<4.> 83146=' 4.' 2,36.:6 ' ' 48>.,.4(' ' ' 114)814(' ' ' 338E4814(' ' 81*36' ,% 1<6' 3483@='),382' 4.%2*6.:6 6:6==41;' %,3' >6114.>' *5' =,)6' ,*1G839' 8.9' +4=4E26' =4>.' ,% 41 ' 83.4+82' ,% WUX[<6' 3483@=' .6G' G8;' ,% H6654.>' 41 <6' E*3.4.>' ,% 1<6' O8.4146=(81*36' ,% 1<6' ,EI6:1=' E*3.69 =14)8169' +82*6' ,% 1<6) #54341*82' =,.>=' %,3' 98.:4.> ,)58369' G41<' 1<6' =,.>=' ,% ,*3' ,G.' *3418.=

' '8(?' 5&)*,3' 5&;' 1 (48(2,;' 583' 8(&)15' 9) :' *),(1,' 4 ' : ,' &(;' 9) :' : ,' 4 ' &=*,3' ',)6< 75,),' 45,' &**8,3' 9' 45,' $8(?' 9' &=*,3' 75 ' 35 2*;' 5&',' A,,(' 2(84,;' 4 ' ;,9,(;' 45,8)' 7(' 34&4,3' &3' 7,**' &3' 45 3,' 9' 45,8)' &**6' &?&8(34' 45,' 8('&;,)' &A&(;(,;' 58:' &4' 45,' &==) &15' 9' 45,'),(15' '=&(81' 4,)))' 3,,:,;' 4 ' 5&',' =&)&*63,;' &**' 4&*6' (' 45,' 9,7' 1&3,3' 8(' 75815' 3 :,' *844*,' 35 7' 9'),3834&8*1,' 7&3' :&;,' 45,' 2(5,&);.9' A&)A&)846' 7845' 75815' 45,'),(15' 4) =3' 4),&4,;' 45,' ,&38*6' ',)< = 7,),;' ?&))83 (3' A2415,)8(?' 8(' 1 *;' A* ;' 3 *;8,)3' &(;' =,481,92** 8(5&A84&(43' &*8@,' 3=),&;' &' 4,)))' &: (?' 45,

)&(1,' 24' *8&)*,3' 7 2*;' 5,&8P8 9' (4*88(?' 3&',' &' 4 4&*' WUX ^
&A&(; (:,(4' 9' &*#' 583' 1*&8:3' 4 ' 45,' 45) (,' &(;' 583'
&11,=4&(1,' (' 45 3,'1 (;848 (3' 9' &' ;2156'8(' 45^' 8(4,)8)'
9')&(1,' (;'458(?3'5&;'(4',',('6,4'D284,'1 :,'4 '45&4'
=&33' 7845'45,' ,&= *84&('A)&(15' 9'45,'5 23,' 9')&? ('
5&)*,3' &(;' 583' 1 2)48,)3' &(;'1&=4&8(3' A,5&',';' ;2)8(?.'
45,889'45),,'T: (453P 34&6'&4' &=*,3'8('3215'&')(&(5,)'&3'4 '
,(32),'45`' :=&)48&C''5&4),;'A 45' 9'45,' (?,'8(,'A&) (3' 9'
45,' @8(?; :C' &3' 75 3,' 9)8,(;' &(;' =&4) (' 5,' 1&:,'8(4 '
4&*6'&(;'45,')&? (,3,'A&) (3'75 '7,),'45,'=&)483&(3' 9'
45,')8'&*'=),4,(;,)' 4 '45,' 45) (,' 3'9)'45,' $8(?'58:<
3,*9'45,'4,(,2)' 9' 583'*89,'&4' &=*,3'75815'8(&6'A,'9 2(;'
8(8(24,*u C'),1);,;'8(' 45,';8&)6' 9' (;)`';,'*&' 8?(,'7&3'
38:=*6'3215'&3' :8?54'5&',' A,,(',O=,14,;'9) :'583'=2,)8*,'
8?( )&(1,'&(;'244,)'8(1&=&1846' '3)4' 9'3,)8 23'A238(,33'
7&3' &44,(;,;'4 ')':,&32),3'4&@,('9)' &332)8(?'45,'4 '
,&36' f (D2,34' 75815'5&;' A,,(' &158,',;' A6'45,'),(15'
&):3')P=) '8;8(?'9)'45,'9242),'?',)(:,(4' 9'45,'1 (<
D2,),;' @8(?; :')'5&;' 5&)*,3' &(6':,(' &A 24'58:'
1&=&A*,' 9' ;8(?'9)'58:'75&4'5,'7&3'3 '8(1&=&A*,' 9'
;8(?'9)'58:3,*9' ,' :8(,3'7&3' &7&6',(?&?,;' ('
,:A&338,3'4 '45,' 45,)'34&4,3' 9'45,'=,(8(32*&',3=,18&**6'
,(81,'7P5,),'5,'7&3'?&45,)8(?'8(9):&48 ('),3=,148(?'45,'
9,,*8(?3'&(;': ',:,(43' 9'45,'4&*8&('3 ',),8?(3'75815'*,;'
58:'4 '85,'1D(1*238 ('45&4' 5&)*,3'&(;'583' &):6'7 2*;' ;'
783,*6'4 ' * 3,' &3' *844*,' 48:,' &3' = 338A*,'8(' 98(;8(?' 45,:<
3,*',3' (1,':),' ('45,'( )45,)('38;,' 9'45,' *=3
5,'(A*,3'75 '1 :=3,;'45,'3284,' 9'45,'@8(?'1 2)48,)3'
)&45,)'45&('3 *;8,)3'8(4 O81&4,;'7845'45,'=)8;,' 9'1 (D2,34'
&(;' 45,'8('8(18A*,'' '&* 2)' 75815'5&;' A,,(' ,O58A84,;'8('
31&44,)8(?'&):8,3')2((8(?'*8@,'35,,='A,9),'45,'35,=5,);P3'
;?'&(;'8(' :2);,)8(?'45,' ;,9,(1,*,33'9,7'75 ' ;8;' (4'
)2(' 45 2?54' (*6' 9' ,()8158(?'45,:3,*',3'&3'D281@*6'&3'
=338A*,' 7845'45,'3=8*' 9'45,'1 (D2,),;'(&48 (' (;'
5&)*,3'7&3'78**8(?'4 '&33834'45,:'8('4583' AH,14'A6'&*#'&(;
0 ' 0

WW[# ' ' ' ' '

8H] ' : ,(43' 9' 4&*6' 7 ,),' 9) : 8(?' : &8(*6' &4' 45,' 8(348?&48 (' 9'
2; '81 ' 8*' 8 ' 75 ' 5&;' * (?' 38(1,'),=,(4,;' 9'583'9 **6'
8(' 1&**8(?' 45,'),(15' &1) 33' 45,' *=3 ' &' : ,(&18(?' *,&?2,'
&?&8(34')&(1, ' *),(1,' 75815' &*: 34' &* (,'), : &8(,;'
9&84592*' 4 ' 5,)' &**8&(1,' 7845' 45,' 8('&;,)3 ' 45 2?54' 84' (,1,3<
3&)6' 4 ' : &@,' ?),&4'),H 818(?3' 9)' 45,' 3211,33,3' 9' 45,'
),(15' &) : 6' &4' &=*,3 ' F' 4' *),(1, G' 3&63' B28118&)<
;8(8 J' F'45,6' 3 2(;,;' 5 ' A,' H 692*Q &(;' : &;,' ?),&4'
;, : (34)&48 (3' 9'),H 818(?' ('),1,8'8(?' 4583' (,73M' &*<
45 2?5'8('),&*846'45,6' 7,),' ;83=*,&3,;'&4' 84'8(' 45,8)' 5,&)43 '
24' 45,' 34&4,' 9' 2)'),*&48 (3' 7845' 58 : ' [5&)*,3] ' &(;' 45,'
9&14' 9' 2)' 9)4),33,3' A,8(?' 348**' 8(' 583' 5&(;3 ' : &;,' 84'
(,1,33&)6' 9)' 23' 4 ' ; ' 3 G
,',)45,*,33' *),(1,' 7&3' (4' : 8(;,;' 4 ' 5&',' $8(?'
5&)*,3' &(;' 583' 3 *;8,)3' &' 3,1 (;' 48 : ,' 78458(' 5,)' 7&**3 '
4' 7&3'@(7(' 45&4' 8,) ' ; ,P ,;818' 7&3' 5&(?8(?' (' 4 ' 45,'
@8(?P3' 3284,M &(;' 9)' 4583'),&3 (' :),' 45&(' &(6' 45,)' 84'
5&;' A,,(' ;,4,) : 8(,;'8(' 45,' 1846' 45&4' 89' 5,' =),3,(4,;' 58 : <
3,*9' &4' 45,' ?&4,' 84' 35 2*;' A,' 3524' &?&8(34' 58 : 9' 24'
5&)*,3' (4' 78358(?' 4 ')2(' 45,')83@' 9' &(6' 3215' &89) (4 '
;,4,) : 8(,;' 4 ' =&33' ( )457&);3' A6' 7&6' 9' 83&' *,&'8(?'
*),(1,' 4 ' 45,')8?54 ' &'8(?' &;'&(1,;' 45,),9),' 9) : '
8,(&' 4 ' ??8A (38' 5,' 42)(,;' 99' &4'-5&4' = 8(4' 4 7&);3'
45,'* 7,)' &*;&)(' .
0 58*,'&4' ??8A (38' 5&)*,3'5&;'&''8384'9) : ' &' (&) *&'
3' A,9),' 45,')8&)' &((2(1,;' 58 : 3,*9' &3' 45,' 3=,18&*' : ,3<
3,(?,)' 9' 45,' 34' 8?5 ' 15&)?,;' 4 ' ;,1*&),' 45,' 78**' 9

"' ,1'4.'<4='>6.6382' <4=1,3;'96=14.69'%,3'5*E24:814,. 8='1<6'368963'G24,'
<8='2683.69'1,'94=14.>*4=<' *4::48394.4'G3414.>'%,3'<4=': ,.16)5,383;'5*E24:'
%3,) ' *4::48394.4'%3662;'6D536==4.>'<4='3682' =6.14)6.1='4.' 36:,39=')68.1'
,.2;'%,3'5,=16341;') 8;' 68=42;'>*6== E*1'4.'1<6' #1,348' 2,36.14.8'6*5'
4.69'+,2'444'5' W
1' <4=' 4=' 1<6' 8::,*.1' ,% 6)E,' 4.' 1<6' =6:,.9"E,,H' ,%' <4=' <4=1,3;'
4::48394.4' =8;='1<81' <8326=' G8=' >4+6.'1,".963=18.9'1<81'821<,*><'1<6'
:41;'G8=' 53658369' 1,' 36:64+6' <4)' G41<' 822' 96),.=13814,.',% 36=56:1' 4%' <6'
,8)6';61'1<81'<6'G,*29' .,1'E6'G62:,)6'8.9'1<81'1<6':41;'G8='E64.>'%42269'
G41<'83)69')6. #1,348'9@ 18248'+,2'4'5' ['69':41

,&',('4 '45,' @8(?' &(;' 4 ' 45),&4,(' 58:' 7845' 32: :&)6'
&(;' 1 (;8?(' =2(835:,(4' 89' 5,' 35 2*;' 5,384&4,' 4 ' &11,=4'
45,' 3,*9.;,1*&),;' =) =5,4' &3' 45,' &245)83,;' ,O= 384)' 9' 45,'
78*' 9' ,&',(')' 35 2*;' 9&8*' 4 ' A,6' 583' 7);' 5&)*,3'
348*' 5,*;' 45,'9)4),33,3' 75815' 45,' *),(48(,3' 5&;' =24' 8(4 '
583' 5&(;3' 24' 45,' 7&)' 7&3' ',)M 45,'48:,' &4' 75815' 45,'
),(15' @8(?' 5&;' 3 *,:(*6'37)(' 4 '),34),' 45,3,' =*&1,3'
4 '45,' *),(48(,3' 5&;'&))8',;' &' (&) *&';,:&(;,;' 45&4'
4583' =) :83,' 35 2*;' 5,' 9)457845' @,=4' 2(;,)' =&8(' 9' 8(<
12))8(?' 45,' &(?,)' 9' B ;' &(;' 45,' '8384&48 (' 9' 583' H2;?<
:,(43' 24' &*' 45,' &31,(;&(16' 9' 45,')8&)' 9&8*,;' 4 '
A4&8(' &(6' 3&4839&14)6' &332)&(1,' 9' 45,' @8(?P3' =2)= 3,'
4' (,'48:,' 5,';,1*&),;' 45&4' &3' 3 (' &3' 5,' ? 4' 4 ' 83&'
45,' 9)48,33,3' 35 2*;' A,'8: :,;8&4,*6'),34),;' &4' &(45,)'
5,' &**,?,;' 45&4' 583' =) :83,3' 4 ' 45,' 83&(3' 7 2*;' (4'
=,):84' 58:' 4 ' ;' &3' *),(1,'),D28),;' 9' 58:

0 5,(' 5&)*,3' &))8',;' &4' 83&' 5,' 9 2(;' 58:3,*9' 8(' &'
= 3848 (' 9' ('*844*,';99812*46' A,47,,('45,' ,(4),&48,3' 9' 45,'
83&(3' &(;' 45,'),=),3,(4&48 (3' 9' 45,' *),(48(,3' ('45,'
(,'5&(;' &(;' 45,' ;831);&(4' 7835,3' 9' 583' 7('9 ** 7,)3'
('45,' 45,)' 5,' :),' = *8481' 9' 45,' :,(' &) 2(;' 58:'
2)?,;' 58:' 4 ' =,)9):' 45,' =) :83,3' 4 ' 75815' 5,' 5&;'
3 *,:(*6'37)('8('45,'1&45,;)&*' 9' *),(1,'&(;' 4 ' &332),'
45,' *),(48(,'&:A&33&;)3' 75 ' 7,),' 7&848(?' 583' ;,1838 ('
&4' 211&' 45&4' 5,' 7 2*;' ;' 3 ' 24' 45,'8(5&A84&(43' 9'
83&' 7845' 45,8)' 78',3' &(;' 158*;),(' 1&:,' 7,,=8(?' &4' 583'
9,,4' &(;',(4),&48(?' 58:' 4 ' A,' &3' ? ;' &3' 583' 7P);' &(;' 4 '
3&',' 45,:' 9) :' 45,' 2(244,)&A*,' :83,)6' &(;' ;,?)&;&48 (' 9'
A,8(?' &?&8(' 45)234' A&1@' 2(;,)' 45,' *),(48(,'6 @,' (;'
&' 1 (38;,)&A*,'=)48 (' 9' 583' 7('9 ** 7,)3': ',;' A6' 45,3,'
,(4),&48,3' &(;' *&:,(4&48 (3'8(9*2,(1,;' 45,' @8(?'9)' 45,'
5 (2)' 9' 45,'),(15'(&:,' (4' 4 ' 4&@,' A&1@' 45,' A ('5,'
5&;'?)&(4,;' &(;' ?8',' 2=' 45,3,'=)' =, =*,'8(4 ' &' 3*&',)6'
45,')8? 2)3J 9' 75815' 7 2*;' A,'8(1),&3,;' 4,(9 *;' 8(' 1 (3,<
D2,(1,' 9' 45,'),3834&(1, 75815' 45,6' 5&;' A,,(' ,(1 2)&?,;

4 : &@,A6 45,8)),*8&(1, (45, 7);9 45, $8(?9)&(1,
5&)*,3 5&);=),33,;(,845,)38;, ?&',),(,7,;&332)&(1,3 4 45, 83&(3 45&4 5,7 2*;(,',)?8',45, :2= &?&8(4 45, *),(48(,3M &(;=)8'&4,*6;,1*&),;4 45, &:A&33&;)3 9 45, : : (7,&*45 45&4 45 2?5 5,7 7&3=),',(4,;A6 1,)4&8(''&*8;),&3 (3 9) :;8(?&3 45,6 7 2*;5&',5 8:8: :,;8&4,*6 5,7 2*;),=*&1,45, 9)<4),33,3 8(45,8)5&(;3 &3 3 (&3,',)5,35 2*;5&',&))8',;&4 348 (;4523 5&)*,3 *,94 83& &(;1 (48(2,;583 ()457&);:&)15 1 ('8(1,;A6 4583 48:,45&4 ,:8(,3 5&;A24 4 .? ;),&3 (3 9)45,7&)(8(?3 5,5&;?8',(58:&4 8,(& &(;45&4 : ',:,(43 7,),4&@8(?=*&1,8(45,( )45 9 4&*6 75815 7 2*;8(&** =) A&A8*846:&@,84(,1,33&)6 9)58:4 98?54 583 7&6 24 9 45,1 2(4)6 5,5&;,(4,),;3 ,&38*6 ,9),*,&'8(? 83& 5 7,',)5,=*&1,; ;P (4)&?2,3 8(1 : :&(; 9 45,184&;,*3 9 45&4 1846 &(; 8,4)&3&(4& 8(45,=*&1, 9 45,1 : :&(;&(4 75 5&;=),'8 23*6 5,*;45,:J
5, *),(48(,3 5 7,',) 7,), 7,** &7&), 45&4 3:&** 4)234 7&3 4 A,=*&1,;8(45,=) :83,3 9 45,),(15 @8(? 89 45,,0,1248 (9 45,:7&3*,94 4 583 7(3,(3, 9)8?54 &(;5 (2) 45,6 3,(4 &:A&33&;)3 &94,)58:4 348 9 4 A4&8(9) :58:45,),89 84 7,), =338A*,45, =,)9):<&(1, 9 45, &45 5, 5&;3 3 *,:(*6 37)(8(45, 2 : (45, 11&38 (9 583 '8384 4 *),(1, (583 3 2457&);:&)15 5, 1848>,(3 4 75 :4583 ;899812*4 :8338 (7&3,(4)234,;7,), B888;K (4 (8 ,3=2118 &(; ,)8 &== (8M &(;45,6 ;8;(4 34&)4 (45,8),O=,;848 (,:=46.5&(;,; 5&4 45, $8(?35 2*;A,A) 2?54 4 @,,=583 7);7845 24

1 .<4=>6.6382<4=1,3; *4::48394.4 36536=6.1=1<6.6>,14814,., %1<6=68)E8==89,3=G41< <8326=1,<8+6 18H6.528:6 81 *34. #1,348 9@ 18248 1 ! *1 4.1<6 8*1<,3@= #1,348 4,36.14.8 <6 =8;=1<81 1<6 .6G 8>366B)6.1 G8=:,.:2*969 81 =14 5 4.69 +,2 444 5 FW <8+6 536%63369 1,%,22,G 1<6 28116 3 8::,*.1 ,)5836))4381, ,*% W [

45,8(;21,:,(4 9 &3:&** :&44,) 9 1&35 8('5&(;'7&3'(4 4 'A,'45 2?54 9' 9 1 2)3,' *),(1,'7 2*;'5&','4 '=&6' (7'&3',',)

4 *&34'&(;' (4 7845 24 :215' ;899812*46'45,'$8(?'7&3' 8(;21,;'4 '1 (3,(4 4 '&(');,)'9)' 45,'8: :,;8&4,'),34842< 48 (' 9 45,'9)4),33,3 A,8(?';,3=&415,;'4 '583 *8,24,(&(4 8(' 231&(6' F45,'8(;21,:,(4 75815 7&3 =&)&: 2(4 4 '&** 45,)3 8('45,') 6&* :8(;'A,8(?G 3&63 B28118&);8(8 J F'(4 45,'),:,:A)&(1,' 9 583 =) :83,3'&(;' 9 45,' &45 5,'5&;' 3 *,(:*6 37)('A24 45,'2)?,(4 (,,;' 9),&;6 : (,6'&(;' 45,' (,1,33846 9 :&@8(?3 :,'=) '838 (' 9)' 45,'&998&)3 9 45,'),(15 &):6 8(' &=*,3G 75815 7,),'&*),&;6 ?8(?'8**

(;'45,');,)'9)'45,'),3484248 (' 9 45,'9)4),33,3'75815 7&3 4523 ,O4)4,;'9) :' 5&)*,3'7&3 A6'(':,&(3 &('2(< 1 (;848 (&* (,' *),(1,'7&3 4 '2(;,)4&@,'4 '?8','2=' 45,' 184&;,*3 9 8,4)&3&(4&'&(;' &)>&(&'4 'B,(&'89 35,'35 2*;' A,'),D28),;'4 ';' 3 'A6'45,' $8(?'&4 &(6'48:,'7845 8('47 ' 6,&)3 8('45,'1&3,' 9 583 A4&8(8(?'45,';:8(8 (' 9 45&4 1846' 52P46'45 23&(;';21&43 7,),'=&8;';7('4 '45,'$8(?' 8('1&35'9)'75815' 5 7,',)'45,'&:A&33&;)3),1,8',;'8(' =*,;?,'1,)4&8(' H,7,*3'4 'A,') ,34),;'&3 3 (' &3 45,'9)< 4),33,3 35 2*;'5&',' A,,(' 1 (38?(,;'4 '45,:'), ',)' 45,6 2(;,)4 @ 45&4 45,' ,=2A*81 35 2*;' *,(;' 5&)*,3 &' 92)45,)' 32:' 9 3,',(46 45 23&(;' ;21&43 75,(' 45&4 1 (32:&48 (' 35 2*;'5&','A,,('),&15,;' 4 7&3 &*3 ' 348=2*&4,;'45&4 *),(1,'35 2*;'C3,(;'2(*,33 =),',(4,;'A6' 3 :,'(,7'7&)'78458(' 5,)' 7('A);,)3'47 '45 23&(;'98','52(;),;' :,('4 '45,'&33834&(1,' 9 45,'),(15 8(' &=*,3 L ' 45&4 & ' 83&(3 75 '5&;'A,,('1 (1,)(,;'8('45,'*&4,'),A, 8 (' &?&8(34 *),(1,'35 2*;'),1,8','&'92** =&);('&(;'&:(,346' &(;'45&4 45,6 35 2*;'A,'&;:844,;'4 '1,)4&8('9)&(1583,3 &(;')8?543 9) :'75815 45,6 5&;'A,,(')='8 23*6',01*2;,;Q

J 4)8&;P 4&*8&'' *'8'=' #',;' 84
4' B28118&);8(8' ;' =' -#' * 1' 184 ' ,;' 184 M 4)8&' 8),(48(&' =' 50,;'' *'888'='

3 WUX

' 45,3,' 1 (;848 (3' 5&'8(?' A,,(' &?),,;' 4 ' &(;.' 45,' 458)46' 45 23&(;' ;21&43' =&8;' ; 7(' 45,') 6&);,)' 7&3' ;,3=&415,;' 4 ' P (4)&?2,3' 9)' 45,' ;,*8',)6' 9' 45,' 9)< 4),33,3' 24' 75,('45,');,)3'),&15,;' 231&(6'45,'$8(?P3' *8,24,(&(4'),923,;' 4 ' A,6'45,:' 5,'184&;,** &(;'=)4' 9' ,?5)(' 8(;,,;' 7,),' ?8',(' 2=' 4 ' 45,' *),(48(,3M A24' P (4)&?2,3'1 2*;' (4'A,'? 4'4 '),*8(D2835' 83&')' 8,4)&.' 3&(4&' F' 0 5,45,)' 84' 7,), G' 3&63' B28118&);8(8' F'45&4' 5,' 7&3'8(9*2,(1,;' A6'45&4'36:=&456'9)'45,' 83&(3'75815'4 @' = 33,338 (' 9' &** 45,'),(15' &4' 83&')' 7&3' &148(?' 8(' A,;8,(1,'4 '3,1),4'8(34)2148 (3'),1,8',;'9) :' ,' 8?(6'8(' 32A);8(&48 (' 4 ' 75 :' 5,' 5,*;' 583' 1 ::&(;')' 7&3' : ',;' 4 '&14' &3' 5,' ;8;' A6'583' * ',' 9)' 45,' ;&2?54,)' 9' &' 1,)4&8(' 83&('1848>,(' 21&';,** &(4,'A6'(&:,'[9)'84'83' (4' 1),;8A*,' 45&4' 5,'1 2*;' 5&',' 68,*;,;'3 *,*6'4 '45,' 8(9*2,(1,' 9':(,6'3,,8(?'45&4'5,':8?54'5&','5&;':),':(,6'9) :' 45,' *),(48(,3'45&('45,' 83&(3'1 2*;'?8','58:]M 75&4,',)' 45,':48',' 7&3'5,' A,?&('4 ':&@,'&** 3)43' 9',0123,3'&4' (,'48:,'&338?(8(?'&A32);'&(;'8:= 338A*,':,&(8(?3'4 '45,' $8(?P3' 7);3'&(;'&4'&(45,)':&8(4&8(8(?'45&4'5,'5&;'),1,8',;'45,'$8(?P3');,)3' (4'4 '?8',' 2='45,'9)4),33,3'8(' &(6'1&3,'7845 24'),1,8'8(?'1,)4&8('3,1),4'1 2(4,)38?(3'9) :' ,' 8?(6 G'J

5,' *),(48(,3'3,(4' 99' 45,)':,33,(?,)3'4 '45,'$8(?M &(;' A4&8(,;'9) :'58:' &'),84,)&48 (' 9'583');,)3M' A24' 45,6'7,),' (4'3,(4'A6'&(6':&(' 9')&(@')'&245)846'A24' A6'&' :,),' =)8'&4,' :,33,(?,)M' &(;'45,6';8;' (4' =) ',' :),',9981&18 23'45&('45,'98)34

(' 583' 3:&**,)'7)@' (' *),(48(,' 5834)6' B28118&);8(8' 3,,:3'4 '5&',' 1 :,' 4 '45,'1 (1*238 (' 45&4' P (4)&?2,3' 7&3' 38:=*6'A 2?54' A6'45,' 83&(3'&(;'45&4'.45,6'7,),'92)< (835,;'7845':(,6'9)'45,'=2)=3,'A6' 2;'81 '8**) ' 9' 8*&(' 4' &** ,',(43'45,' 2=35 4'7&3'45&4'45,'184&;,*3

9. 83& A 45' 45,' *;' (,'&(;' 45,' (,7' 75815' 45,' *),(.' ' 48(,3' 5&;' A28*4' 38(1,' 45,6' 5&;' 5&;' = 33,338 (' 9' J45,' 1846' '' V 7,),' ?8',(' 2=' A6' P (4)&?2,3' (4' 4 ' 45,' *),(48(,3' A24' 4 ' 45,' 83&(3M 8,4)&3&(4&' 7&3' 3 *;' A6' 45,' $8(?' 4 ' 45,' 2115,3,' &(;' &)>&(&' 7&3' 5&(;,;' ',)' 4 ' 45,' B,(,3, F' (;' 4523 G' 3&63' B28118&);8(8' 7845' &' A844,)(,33' 9' 3=8)84' 75815' 84' 83' ,&36' 4 ' 1 :=),5,(;' F' 7&3' 82J ; :8(8 (' 4)(' =8,1,:,&*'&(;';8'8;,;'&: (?' 2)'(,8?5A 2)3' ' :83,)&A*,' 458(?'8(;,,;'4 ' 5&','4 '),*&4,'45&4' B,(&' 45,' 8,(,3,' 45,' / 115,3,' 75 ' &*' 9' 45,:' 3 ' 35)4' &' 48:,' A,9),' 5&;' 4),:A*,;'&4' 2)' &):3' (7' 7845 24' 9,&&J)'),3=,14' 9)' 2)' = 7,)' 35 2*;' 4523' *&1,)&4,' 23' &(;' *);' 84' ',)' 23M (4' 5 7,',)' A6' :,&(3' 9' 45,8)' 7('34),(?45')' 1),;84' A24' A6' 238(?'45,' $8(?' 9')&(1,' &3' &('8(34)2:,(4ML &' $8(?' 75 ' 1&),*,33' 9' 45,' 1 (',(48 (' 3 *,:(*6' 8=&;,' A6' 58:' 8(' *),(1,' &(;' 37)(' 2= (' 45,' &*4&)' 9)?,492*' 9' 45,' =) :83,3' 32A3,D2,(4*6' :&;,' &4' 348' 2(:8(;92*' 9' 2)' 1 :=*,4,' 98;,*846' 4 7&);3' 58:' 9' &*' 45,' :(,6'5,' 5&;'),1,8',;'9) :' 23' 9' 2)'A,8(?'&* (,'8('&*' 4&*6'9&84592*' 4 ' 45,' ,(?&?,:,(43' 9' &**8&(1,' 1 (4)&14,;' 7845' 58:' =,)98< ;8 23*6' 3 *;' 23' &(;' ?&',' ',)' 2)' ; :8(8 (3' 4 ' 2)' ,(,:8,3 G' J

,3'd &*' 45&4' *),(1,' 5&;' &11 :=*835,;' A6' 3 ' :&(6' 6,&)3' 9' 1 (48(2,;' &(;' =,)3,',)8(?',99)4' &(;' A6' 45,',O< =,(;842),' 9' 3215' '&34' 32:3' 9' 4),&32),' 5&;' 32;,,(*6' A,,(' 2(; (,'&(;' 45,'=)8;,' &(;' &:A848 (' 9' 5,)' 1848>,(3' 7 2(;,;'8(' 45,' : 34' 3231,=48A*,'=&)4')' 4583' *),(48(,' ;,38),' 9' 32AH,148(?' &(;' *);8(?' 84' ',)' 83&' 7&3' (4' &' :,),' :&44,)' 9'= *8481&*',O=,;8,(16'2(;,)34 ;' &(;' 7835,;' 9)' (*6' A6' = *84818&(3'( )' &' :&44,)' 9';6(&3481' &)834 1)&481')' :8*84&)6' &:A848 (' &3' 7,),' 9)' 45,' : 34' =&)4' 45,' 7&)3' A,47,,(' 45,')&(3&*=8(,'(&48 (3' 9' 2) =,M A24' 7&3' 45,'),&*=&338 (&4,'5,&)4P3' * (?8(?' 9' ,',)6' 1848>,('8(' *),(1,

! A24' ;)8',(' A6' 31 2)?,3' &(;' 8(98(84,' 4)8A2*&48 (3' 4&*6' 5,' 3&8;')(234' 98)34' A,' 31 2)?,;' &(;' ?),&4*6' &9*8814,;' A6' 7&)' =,348*,(1,' &(;' 9& : 8(,' 4' : 234' A,' 45&4' 35,' 35 2*;' 3299,)' 8('&38 (' &4' 45,' 5&(;3' 9' : &(6' 9),8?(' A&)A&)8&(3' 75 ' 35 2*;' 124' 5,)' ',)6' 9*,35' 9) :' 5,)' A (,3' A6' 45,8)' &) : 8,3' 5,' 7 2*;' A,' 1 : =,**,;' 5,' ;,1*&),;' 4 ' 32A : 84' 4 ' 15&(?,3' 8(' 5,)' 4&4,3' 5&'8(?' (' : ,&(3' 9'),3834&(1,' ,845,)' A6' 1 2(3,*' A6' : (,6')' A6' &))&3' ,' &998) : ,;' 45&4 2)' 1846' 7 2*;' 5&',' 4 ' 3299,)' : &(89 *;' 4)8A2*&48 (3' &(;' 4 ' A,'),;21,;' 4 ' 45,' ,O4),: ,34' ;&(?,)' 9' * 38(?' 5,)' 8(;,=,(< ;,(1,'M A24' 45&4' 8(&3 : 215' &3' 35,' 7&3' &' 15 3,(' 1846' 9' B ;' 75815' 5&;' A,,(' 3,*,14,;' 9)' 45,' =),;8148 (' 9' 45,3,' ?),&4' 458(?3' &(;' A,1&23,' 45,' *8?54' 9' &'),('&48 (' 9' 45,' 52)15' 7&3' ;,348(,;' 4 ' A,' 3=),&;' ',)' 45,' 75 *,' 7)*;' 9) :' 5,(1,' 9)' 45,3,'),&3 (3' *),(1,' 7 2*;' (4' =,)835'M A24' ,',(' 89'),;21,;' 4 ' 45,' = 8(4' 9' * 38(?' &** 843' 4,))84)6' 45,' 1846' 843,*9' 7 2*;' A,' 3&',;'M &(;' 75,(' A) 2?54' &4' *&34' A6' 31 2)?8(?' 4 ' &' 4)2,' &(;' =2),' 5)8348&(' *89,' 7 2*;' '),1 ',)' 83&' &(;' &** ,*3,' 45&4' 84' 5&;' * 34 G' J

,)6' 7)456' 9' (4,' 83' 45,' =) =5,4P3' =) : 83,' 9' 45,'),1 ',)6' 9' 83&' &3' 45,'),7&);' 9' 45&4'),42)(' 4 ' &' '8)42 23' *89,' 75815' 5,' 7&3' 3 ' &(O8 23' 4 ' ,(9)1,' 5&4' 7&3' 45,' 45,(' ;,&),34' AH,14' 9' ,',)6' *),(48(,P3' &: A848 ('M &(;' 45,' =) =5,4' 9 2(;' 84' (,1,33&)6' 45,),9),' 4 ' =) : 83,' 45,' =, =*,' 75 3,' = *8481&** *8A,)46' 5,' 7&3' 3 ' &(O8 23' 4 ' 3,12),' 45&4' 45,')',7&);' 9' 9 ** 78(?' 45,' 1 2)3,' 5,'),1 : : ,(;,;' 4 ' 45,: ' 35 2*;' A,' 3211,33' 8(' ;,34) 68(?' 45,' *8A,)46' 9' 45,8)' (,8?5A 2)3' 24' 84' 83' (*6' 4 ' 1*,&)' 756' &' 3,1 (;' 8('&38 (' 9' 4&*6' A6' 45,'),(15' @8(?' 7&3' (,1,33&)6' 4 ' &' (&) *&' ,' 5&;' ,(4,),;' (' 45,' 9&4&** =&45' 9' A4&8(8(?' = =2*&)' &==*&23,' &(;'),',),(1,' &(;' 45,' = 7,)'),32*48(?' 9) :' 84' A6' &;'&(18(?' 1*&8 : 3' 4 ' 32=,)(&42)&** ?8943' 0 5,(' 5,' &11,=4,;' 45,' 8?( )&(4' &; : 8)&48 (' 9' 45,' : 2*4842;,' (' 45,

11&38 (' 9 45,' ',)8981&48 (' 9 583 6,)6 (&42)&* &(;' 38 : =*,' =),,;8148 (' 9 45,' ;,&453 9 45,' =,' &(;'),(> ' &(;' 45,' $8(?' 9 &=*,3 ' 5,' 5&;' &*),&;6 4&@,(' 45,' 98)34 34,=' (' 45,' =&45 45&4 1 2*;' *,&;' (*6 4 ' :),')' *,33 3,*9.1 (318 23 : = 342),' ,)6 ,(45238&3481 ' ',)6 3= (4&(, 23 7&3 45,' 24A2)34 9),',),(1,' &11);,;' A6 45,' =, =*,' 4 ' 45,' =),&15,)' 75 3,' 5,&)4 7&3 A24 4 ' =,(' 4 ' 45,' 8(1,(3,' 24 45,' = =2*&1,' 83 &')245*,33 : &34,)' 4 ' 843 9&' 2)84,3 ' 5,' &==*&2;,;' &45*,4,' : 234 (,,;3 &44,: =4 9,&43 :),' &(;' 6,4 :),' ;899812*4 ' (' =&8(' 9 A,8(?' 5833,;' 9) :' 45,' 34&?,' 5,' =) =5,4 ' (1,'),1 ?(83,;' &3 3215 ' 1 2*;' (4 78455 *;' 45,' ,O1848(?' :,(4&* 9 ;' 5,' 7&3 32== 3,;' 4 ' A,' &A*,' 4 ' 32==*6 ' 5,),' 7&3 (' 34 ==8(?' 35)4 8(' 45,' 1&),,)' (' 75815 &' (&) *&' 5&;' 7845 24 3299818,(4 9),38?54 &** 7,;' 58 : 3,*9 4 ' ,(4,)' ,' : 234 =) =5,36M &(;' 5,' : 234 ' (' =&8(' 9 * 38(?' 45&4 8(9*2,(1,' ',)' 45,' *),(48(,3 75815 84 7&3 ' &3 5,' 38(1,),*6 A,*8,',;' 3 ' (,1,33&)6 9)' &** 45,' A,34 8(4,),343 9 45,' : : (7,&*45 ' &(;' 8(;,,;' 9 45,' 7)*;' 8(' ?,(,)&*' 45&4 5,' 35 2*;'),4&8(' = 8(4 4 ' 45,' ',)8981&48 (' 9 583 =),,;8148 (3 ' ,(1,' 45,' 8(' &38 (' 9 4&*6 A6 45,'),(15 $8(?' 75815 7&3 4 ' A)8(?' &A 24 &** 45,' = *8481&* ,',(43 &(;' 15&(?,3 75815 5,' 5&;' ',(42),;' 4 ' 9),4,** ' 7&3 8(;83=,(3< &A*6 (,1,33&)6 4 ' &' (&8P *&

F 24 4583 : ;,' 9 =),&158(? G 3&63 B28118&);8(8 J L &(;' ' 1&((4 ?8',' 45,' 34&4,:,(4 9 45,'),32*43 9 45,3,' 3,): (3 A,44,)' 45&(' 8(' 583 7);3 L F'),(;,),;' 58 :' ;8 23 4 ' 45,' =,' A,1&23,' 8(' =),;8148(?' 45^),('&48 (' 9 45,' 52)15 ' 5,' ',)6 9),,*6 &(;' 2(;83?283,;*6 &44&1@,;' &(;' 3&48)8>,;' 45,' ? ',)(:,(4 45,), 9 &(;' 45,' :)&*3 9 45,' =8P,*&4,3 M 84 5&;'),(;,),;' 58 :' 5&4,92* 4 ' 45,' ,(,48&(3 &(;' 4 ' 45,' 2@,' 9 8*&(' 75 ' 3&7' 8(' 58 :' &' =&)483&(' 9)&(1,' &(;' 45,' 1&23,' 9 45,' ,=2A*81P3),923&* 4 ' H 8(' 45,' *,&?2,' &?&8(34 45&4 = 7,)' &34*6 ' 4583 =),&158(?' 5&;' &7&@,(,;' : 215 ' 34) (?

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=&)46 9, ,*8(?8(' 45,' 1846 ')' :&(6 9 45,' 1848>,(3 7,),C 9) :' 45,8)'P(&42)&* 428 (' 9 :8(;' &',)3,' 4 ' =2448(?' &886 9&845 8(' 38:8*&)' ;,(2(18&48 (3' 45,)3 7,),' 5 348*,' 4 ' 58:' A,1&23,' 45,6 5&4,;' 45&4 = =2*&)' 9):' 9 ? ',)(:,(4 75815' 5,' 3 '>,&* 23*6 &;' 1&4,;' &(;' :&8(4&8(,;' 45,)3 &?&8(' 7,),' ,(,:8,3 4 ' 45,')8&)' 9 4' &)@P3' A,1&23,' 45,6 7,),' A,*8,',)3 8(' &(;' =&)483&(3 9' 45,')&(1831&(3' &(;' :,:A,)3 9 45,)'),*8?8 23);,)3' 75 ' 7,),' &** 9 45,:' == 3,;' 4 ' 58:' 9) :' H,&* 236 9 45,' 8::,(3,'),< =24&48 (' 5,' 5&;' &1D28),;' (;' :&(6 5&4,;' 58:' A,1&23,' 45,6 7,),' :,(' 9 =) 9*8?&4,' &(;' '818 23 *89,' &(;' 3&7' 7845 &(',' 8* ,6,' 45,' :),' 34)814 :;,' 9 *89,' 75815' 583 8(',148',3 &?&8(34 ;,A&215,)6 &(;' 8::)&*846 5&;' 8(4) ;21,;' ** 45,3,' ;89*,),(4 1*&33,3 7,),' 583 98,)1,' &(;' A844,)' ,(,:8,3' =,)3,1248(?' 58:' 8(' =2A*81' &(;' == 38(?' 58:' A6' ,',)6 :,&(3 8(' 45,8)' = 7,) G

5,' 5834)8&(' ? ,3 (' 4 ' = 8(4 24 45&4 (,845,)' 7,),' 45,' :,(' 75 ' 1 (348424,;' 45,')8&)P3 =&)46 8(' *),(1,' &** A,< * (?8(?' 4 ' 45,' 3&:,' 1&4,?)6 ' 5,' F 8&?((8 G 1 :=)83,;' (4 (*6 45,' 38(1,),' A,*8,',)3 8(' &' (&) *&&(;' &;:8),)3 9 583 ; 14)8(,' A24 &(2:A,)' 9 7)45*,33 56= 1)84,3' 75 ' :,),*6 &332:,;' 45,' ?&)A' 9 3&(14846 &3 &' 1* &@ 9)' 45,8)' '81,3M &(;' :&(6 75 ' 7845 24 ;,3,)'8(?J 4 ' A,')&(@,;' 8(' 4583 *&44,)' 1*&33' 5&;' 6,4 ('=),4,(38 (' 4 ' &(6 =*&1,' 8(' 45&4 =),'8 23*6 ;,31)8A,;ML :,(' 75 ' * @,;' &4 45,' 75 *,' :&44,)' 7845 45,' ,6,3 9 &' = *84818&(' &(;' ;,,:,;' 45&4' &3 :&44,)3 7,),' ? 8(?' 8(' *),(1,' A&1@8(?' 45,')8&)' 7 2*;' A,' 9 2(;' 4 ' A,' 45,' 78((8(?' ?&:,M &: (?' 75 :' 45,),' 7,),' (' ; 2A4 :&(6 75 ' 5&'8(?' *844*,' ,&),')' 36:=&456 9)' 45,' Y),*8?8 23 38;,' 9 45,')8&)P3 15&)&14,)' &(;' =),< 4,(38 (3' 6,4 , (318,(48 23*6 &==) ',;' 9 583 = *8481&** '8,73 &(;' 9 45,' :,&32),3 75815' 5&;'),32*4,;' 9) :' 45,:

215 7&3 45,' 34&4,' 9 =&)48,3 &(;' 9 =2A*8,'9,,*8(?' 8(' *),(1,' 75815' A,?8((8(?' 4 ' ;,',* = 843,*9 1*,&)*6 &94,)' 45,' ;,=&)42),' 9 45,'),(15 @8(?' 9) :' 4&*6 8(' 45,' :8;;*,

9' 45,' 6,&)' - ' 1 (48(2,;' 4 ' =),6&8*' 7845',',).8(1),&38(?'
'8 *,(1,' &(;' ,O&3=,)&48 (' ;2)8(?' 45,'), :&8(8(?' 6,&)3' 9'
&' (&) *&P3' *89,' &(;' 75815' 7&3' 8(;,,;' A24' =&)48&**6'
: ;898,;' &3' 78**' A,' 3,,(' A6' 583' ;,&45' 8(' 45,' 32 : : ,)' 9'
45,' 6,&)' - ')' 45,')8&)' F'A,8(?' ;,&;' 348**' 3= @, G'
&*: 34' &3' = 7,)92**6' &3C',)' 9)' 3,',)&* 6,&)3' &94,)' 583'
:&)46); :M &(;' 84' 83' 5&);*6' 4 ' :215' 4 ' 3&6' 45&4' 45,'
;834&(4',15 ,3' 9' 45&4' ' 81,' 5&',' (4',',(' 6,4' 1,&3,;' 4 ' A,'
&2;8A*,' 8(' *),(1,' 4 ',&)3' 45&4' @(7'5 7' 4 ' ;8348(?2835'
45,' 9&8(4' '8A)&48 (' 9' 45 3,' 9&). H"'9 2(;,).4 (,3' &:8;' 45,'
) &)' 9' 45,' 9,)'8;' =),3,(4' 48:,

24' 84' 78**' A,' 23,92*' 9)' 45,' 1*,&),)' 2(;,)34&(;8(?' 9'
45,'8(4)81&4,'=&)46' 7&)9&),'&(;' 45,' 8(4,(3,' A24' =,)=*,O8(?*6'
1 (923,;' &148'846' 9'*89,'8(' *),(1,';2)8(?' 45,' (,O4' D2&)4,)'
9' &' 1,(42)6' 4 ' = 8(4' 24' 5,),' 45&4' 45 3,' ;899,),(4' 1*&33,3'
9' :,(' 9' 75 :' &3' B28118&);8(8' 5&3' 4 *;' 23' 45,' :&33' 9'
45,',(,:8,3' 9' 45,')8&)' 7,),' 1 := 3,;' ;8;' (4' 9):' (,'
1 :=&14' = *8481&* =&)46' A24' &4' 45,'*,&34' 47 ' 75 ' 5 7,',)'
:215' 45,6' 7,),' &?),,;' 8(' == 3848 (' 4 ' &' (&) *&' 7,),'
6,4' &3' A844,)*6' == 3,;' 4 ',&15' 45,)

5,'9 ** 7,)3' 9' 45,')8&)' 7,),' &' :),' 1 :=&14' A ;6'
&(;' &),' @(7(' 45) 2?5 24' 45,' 5834)8,3' 9' 45&4' 48:,' & '
F' 8&?((8 G')' F')&4,3158 G

5,8)' &;',)3&)8,3' 7,),' ,845,)' F' 448:&48' G')' F'))&A.'
A8&48 G' 5,' 98)34' 7,),' 45 3,' &)834 1)&481' 4)8,3' 75D'
75,45,)' 45,8)' 7(''8,73')' 1 (3484248 (' 9' :8(;' 7,),')'
7,),' (4' 3215' &3' 4 '),(;,)' 45,')8&)P3'),*8?8 23' 4,&158(?'
;834&34,92*' 4 ' 45,:' &4' &**',',(43' &A :8(&4,;' 583' = *8481&*'
; 14)8(,3ML :,(' 75 ' 7845 24' A,8(?' (,1,33&)8*6' &4' &** 8(<
1*8(,;' 4 ' &' ,;81,&('),34)&48 (L A,8(?' 8(;,,;' :&(6' 9'
45,:' A844,)*6' == 3,;' 4 ' 45,' ,;818 L 1 2*;' (4' 4 *,)&4,'
45,' *,',**8(?' 4,(;,(16' 9' &' (&) *&P3' = *8481&* 1),,;' &(;'
:,&32),3ML :,(' 4 ' 75 :' 45,' B),&4' 2(18*' 7&3' &('
&A :8(&48 (' &(;' 75 '* @,;' A&1@' 4 ' 45 3,' &(4,. ,;81,&('
;&63' 75,(' 45,' 1846' 7&3' 8(' 9&14')2*,;' A6' &(' *8?&)156' 9

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,&;8(?'1848>,(3'&3'4'45,'? ;';'48:,3' 215'7,),'45,'F 448:&48G')')834 1)&43';,1,(4'&(;'),3=,14&A*,' :,('&3'45,'48:,3'7,(4'9)'45,' : 34'=&)4'75'1 :=)83,;'8('45,8)')&(@3'(4'&332),;*6'45,'*&)?,34'8(4,**,143'&(;'5,&)43'9'45,8)'?,(,)&48 ('A24'=) A&A*6'45,'9&)'*&)?,)'&: 2(4'9'=)&1481&*'= *8481&*'&A8*846'&(;' 4&CH=.1)&94

5,'458);'(4&A*,'=&)46'8(' *),(1,'8('45 3,';&63 L 45,'45,)';8'838 (' 9'45,'&):6' 9' &' (&) *&P3' ,(,:8,3 L 7,),'45,'F'))&AA8&48 G')'45,'F'92)8 23' (,3 G'45,' " '&3'45,'),(15'7 2*;'7845'?),&4,)'1*3,(,33' 9' :,&(8(?',O=),33'84' 5,3,'7,),'45,' :,('4'75 :'45,')8&)'7&3'5&4,92*'(4'9)'583'=*84813'A24'9)'583'),*8?8 23'4,&1588(?'5,6'7,),'9)'45,' : 34'=&)4'6 2(?' :,(' 9'* 3,'*89,'&(;'*&O'=)8(18=*,3'75 3,' :&8('A (;' 9'2(8 ('7&3'&';,4,):8(&<48 ('(4'4'4 *,)&4,'45&4'A,1&23,' &' (&) *&'7&3''8)42 23'45,),'35 2*;'A,'(' :),'1&@,3'&(;'&*,'8(' *),(1,' 5,6';8;'(4'A6'&(6' :,&(3'&*' 9'45, :'5 *;'45,'3&:,'=*8481&*'9&845' :,'7835,;'9)'45,')34)&48 (' 9'45,' *8?&)1581&*'9):' 9'? ',)(:,(4'&3'84'5&;',O834,;'8(' *),(1,'A,9),'45,' ,;81,&('232)=&48 (3' 45,)3' ;8;'(4' AH,14'4'45,'*&)?,';,: 1)&481&*'1 (3484248 ('8(&2?2)&4,;'A6'45,')&48'24'45,6'&*' ;83A,*8,',;'583'=) =5,18,3')8;812*,;'583'=),&158(?'&(;';,4,34,;'583'&31,48183:J

4784534&(;8(?'5 7,',)'45,' ,(:846' 9'34&4,3'&(;'3 ',),8?(3'&A) &;'&(;'45,'98,)1,' == 3848 (' 9'45,'=&)48,3'75815'5&','A,,(' ;,31)8A,;'&4'5 :,'45,'8(9*2,(1,.' 9'45,')8&)'7&3'348**')838(?';2)8(?'45,3,'*&44,)' : (453' 9' - 8'&(;'45,',&)*6' (,3' 9' - !' 83'92)8 23'8(',148',3'&?&8(34'*202)6'9)8'*846'&(;' ;8338=&48 (' 9'&*' 3)43'?),7',',)'5 44,)'&(;'98,)1,)' (;'45,'>,&*' 9'583'5,&),)3'75815'1 (3834,;' 9'A6'9&)'45,'?),&4,)'(2:A,)' 9'45,' *),(48(,'=, =*,'9*&:,;'2='75,('583'8:=&338 (,;',* D2,(1,'9&((,;'84'&3'8:=,42 23*6'&3'583' 7(

'" $ ' 8394'=1,348'94' 436.76' 9' 436.76'W U '+,4'4'5'W

,&)' &*&3' Q &3' ,',)' 7&3' 45,' ?),&4' : 48',' = 7,)' =24' 8(' 8
&148 (' A6' 45,' =),&15,)' 4' 7&3' &' 1)6' 45&4' 45,' 7)*;' 5&3' - !
5,&);' A,9),' &(;' 38(1,' F' 0 ,' Q 7 ,' Q 9*,,' 9) :' 45,'
7)&45' 4 ' 1 : ,QG' B8',J,&)' 4 ' ' 4,&158(?Q' A,6' '
' 81,Q (;' 3 ' 6 2' &4' *,&34' 35&** ,31&=,' 98P :' 45,' 8**3' 45&4'
78** ',)4&@,' 45,'),34' 9' :&(@8(;' 583' 7&3' 45,' 4 (,' 9'
& ' 45,')8&)P3' ;,(2(18&4)6' =),&158(?' (;' ; 2A4*,33' ('
58?5,)' 34)&8(' 9' 4,&158(?' 7 2*;' 5&',' 3211,,;,;' 8(' =) <
;218(?' &(' ,D2&**6' = 7,)92*' ,99,14' (' 45,' &2;8,(1,3' 7845'
' 75 :' &' (&) *&' 5&;' J4 ' ;,&*' 5,),' 7&3' &A2(;&(4*6'
3298818,(4' :)&*' ,'8** 8(' 45,' 3 18&*' &4 : 3=5,),' &) 2(;' 58 : '
4 ' =) ;21,' &' 34&4,' 9' :8(;' 8(' 583' 5,&),)3' ,:8(,(4*6'
7,**' 1&*12*&4,;' 4 ' 3,1 (;' 583' :,(&1,3' A6' 45,' 8(7&);'
=) :=48(?3' 9' 2(,&36' 1 (318,(1,3M &(;' &A2(;&(4*6' 32998<
18,(4' '838A*,' ;&(?,)' 8(' 45,' = *8481&*' 5)8> (' 4 ' A&1@' 2=' 583'
;,(2(18&48 (3' A6' 45,' 8(4,**8?8A*,' =) A&A8*848,3' 9' :&4,)8&*'
&(;'),&*83&A*,' 3299,)8(?' (;' 3215' 5&',' ,',)' A,,(' 45,'
48 :,3' 75,(' =) =5,43' 5&',' * :,;' *&)?,' (' 45,' 8 :<
&?8(&48 (3' 9' 45,8)' 1 (4,:=)&)8,3' &(;' (' 45,'),1);3' 9'
5834)6

*),(1,' 7&3' &' *202)8 23' 1846' 8(' 45 3,' ;&63' ' :),'
,&45,)(' H,)@8(3' 7845' A (,.A244 (,;' ?8);,3' Q 5)894'&(;'
,(,)?6' 5&;' ?,(,)&4,;' 7,&*45' 0 ,&*45' 5&;' =) ;21,;'
*202)6' 202)6' 5&;' *,;' 4 ' ,99,:8(&16' &(;' 5&A843' 9'
3=,(;8(?' 8(' *8,2' 9' ,&)(8(?M &(;' 45,3,' 7,),' 8(' 45,8)' 42)('
&A 24' 4 '),32*4J' 8(' 8:= ',)835:,(4' 5,' *20:6' 7&3' &'
),98(,;' *202)6' (4' 2(&;)(,;' A6' &(6' 9' 45,' ,:A,**835<
:,(43' 75815' 8(4,**,142&*' 12*42),' 1&(' 1 (4)8A24,' 4 ' 45,'
,(H 6:,(4' 9' *89,M A24' &4' 45,' 3&:,' 48 :,' *844*,')' 31&)1,*6'
&4' &**2(;,)' 45,' 1 (4) *' 9' &(6' 9' 45 3,' *&73' 75815' =) '8;,'
9)' 45,' 38:2*4&(, 23' 7,**.A,8(?' &(;' ;,',* =:,(4' 9' 45,'
58?5,)'),D28),:,(43' 9' 2)' (&42),' 0 845' 45,' ,O1,=48 ('
=,)5&=3' 9' ,(81,' 45,),' 7&3' =) A&A*6' (' 45,)' 1 :: 2(846'
8(' 45,' 7)*;' &4' 45&4' ;&6' 8(' 75815' 3 ' :215' 34),;' 2='
7,&*45' ,O834,;' &(;' 8(' 75815' 45,' ,O8348(?' ?,(,)&48 (' 7&3

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8A ‘ *202)8 23*6‘ &(;‘ 7845‘ 3215‘ =) ;8?&*‘ 2(=) ;2148‘, 9,348‘ 846‘ (‘ 45,‘ *&A 2)‘ 9‘ 45^8)‘ =),;,1,33)3
4‘ 7&3‘ 4 ‘ 45,‘ ,&)3‘ 9‘ 3215‘ V‘ ?,(,)&48 (‘ &3‘ 4583‘ 45&4‘ &‘ (&) *&‘ 5&;‘ 4 ‘ &;;),33‘ 583‘ = *8481&*‘ &(;‘),*8?8 23‘ 7&)(< 8(?3‘ &(;‘ 4,&158(?‘ 5,‘ 2(8 (‘ &(;‘ :242&*‘ &148 (‘ 9‘ 45,.‘ 47 ‘ 83‘ (‘ (,7‘ :&44,)‘ 4 ‘ (?*835 :,(‘ 0 ,‘ 5&‘ ,‘ 3,,(‘ 45,‘ &**8&(1,‘ 9‘ 2)84&(83 :‘ &(;‘),3834&(1,‘ 4 ‘ 46)&((6‘ 8(‘ 2)‘ 7(‘ 1 2(4)6‘ &(;‘ @(7‘ 5 7‘ = 7,)92*‘ &‘ *,‘,)‘ 9)‘ 45,‘ : ‘,:,(4‘ 9‘ 45,‘ :&33,3‘ 9‘ :&(@8(;‘ :&6‘ A,‘ 1 (34)214,;‘ 24‘ 9‘ 45,‘ 1 :A8(,;‘ 9)1,3‘ 9‘ 45,‘ 47 ‘ 583‘ 7&3‘ 45,‘,(?8(,‘ 78,*;,;‘ A6‘ &‘ (&) *&‘ ‘ 583‘ :8(;L)8?54‘ ,(2?5‘ 3 ‘ 9&).J.45,‘ :)&*‘),?,(,)&48 (‘ 9‘ 45,‘ =, =*,‘ 7&3‘ 8(;83=,(3&A*6‘ (,1,3< 3&)6‘ 4 ‘ 45,8)‘ = *8481&*‘),9):&48 (‘ 24‘ 84‘ 7&3‘ (4‘ 32998< 18,(4‘ 9)‘ 583‘ =2)= 3,‘ 4 ‘ : ‘,‘ 45,‘ 5,&)43‘ 9‘ 583‘ 5,&),)3‘ 8,‘ 4 ‘ *8@,‘ 45,)‘ =),&15,)3‘ 7&3‘ &(O8 23‘ 9)‘ 45,‘ 247&);‘ &(;‘ '838A*,‘ 38?(‘ 9‘ &(‘ ' ‘ " ' ‘ML 3 :,‘ 247&);‘ &(;‘ '838A*,‘ &14‘ 9‘ &‘ :215‘ :),‘ 34&)4*8(?‘ &(;‘ 1 (3=812 23‘ @8(;‘ 45&(‘ 45,‘ :,),‘ 8(;8‘ 8;2&*‘ F‘ A)8(?8(?‘ 9)45‘ 9‘ 9)2843‘ :,,4‘ 9)‘),=,(4&(1,G L 3 :,458(?‘ 45&4‘ 35 2*;‘ ,O,)4‘ &**‘ 45&4‘ 32=,)8)846‘ 9‘ 9)1,‘ 75815‘ 1 **,148‘,‘ &148 (‘ = 33,33,3‘ ‘,)‘ 8(;8‘ 8;2&*‘ ,99)4‘ &(;‘ 75815‘ :&@,3‘ &‘ 45 23&(;‘ 2(84,;‘ :,(‘ :),‘ 45&(‘ &‘ 45 23&(;‘ 48 :,3‘ &3‘ 34) (?‘ &3‘ &‘ 45 23&(;‘ ;83< H 8(,;‘ 2(843 L 3 :,458(?‘ 75815‘ 35 2*;‘ =) =&?&4,‘ A6‘ 1 (< 4&?8 (‘ &3‘ 7,**‘ &3‘ &44,34‘ >,&*‘ &(;‘ 9&845‘ 8(‘ 45,‘ =),&15,)
(;‘ 3215‘ &‘ :&(89,34&48 (‘ 7&3‘ :),‘ (,1,33&)6‘ 4 ‘ 45,‘ H)8&)‘ 45&(‘ 4 ‘ &(6‘);8(&)6‘ =),&15,)‘ ‘ =) =5,4‘ 75 3,‘),*8?8 23‘ 8(9*2,(1,‘ &(;‘ 34&(;8(?‘ (*6‘ 83‘ &4‘ 34&@,‘ &‘ (< &) *&‘ 7&3‘ (4‘ (*6‘ 4583‘ 5,‘ 7&3‘ &‘ =&)46‘ 158,94&8(‘ 8(‘ ',)6‘ 4) 2A* 23‘ &(;‘ ;&(?,) 23‘ 48 :,3‘ 8,‘ 7&3‘ &4‘ 45,‘ A,?8((8(?‘ 9‘ - !‘)8;8(?‘ (‘ 45,‘ 1),34‘ 9‘ 45,‘ 7&‘,‘ 9‘ = =2*&)‘ 9&‘ 2)‘ &(;‘ ,(45238&3 :‘ 24‘ 583‘ = 3848 (‘ 7&3‘ A6‘ (‘ :,&(3‘ &‘ 3,12),‘ (,‘ 4‘ 7&3‘ ,O1,,;8(?*6‘ C;,38)&A*,‘ 9)‘ 45,‘ =),3,)‘ &< 48 (‘ 9‘ 583‘ &31,(;&(16‘ 6,)‘ 45,‘ =2A*81‘ :8(;‘ [75815‘ 7&3‘ 843,*9‘ 3 ‘ (,1,33&)6‘ 4 ‘ 45C),?,(,)&48 (‘ &(;‘ 9242),‘ =) 3=,)846‘ 9‘ C *),(1,]‘ 45&4‘ 45,‘ ,O4,(4‘ 9‘ 45&4‘ &31,(;&(16‘ 35 2*;

7) (?' 4 ' @,,=' 98?2),3' 9' : ,(' &(;' 7 : ,(' =&8(4,;' 9) :' ' 45,' (2;,' 8(' 5 23,3' 75,),' 45,),' 7,),' 6 2(?' =,)3 (3M 3 ' 45&4' 45,' 1848>,(3' 7,),' ,O184,;' A6' 583' ,* D2,(1,' ')&' B8) *&: ' 8('45,' &)(8'&*' 9' 4583' 6,&)' =,)32&;,;' 45,:' 4 ' A)8(?' 4 ' 45,' 232&*' 3= 4' (' 45,' &11234 : ,;' ;&6' [4 ' 45,' 3= 4' 8(' 45,' 8&>>&' 45&4' 83 ' 75,),' 45,' A (98),' 7&3' 232&**6' :&;,' (' 45,' *&34' ;&6' 9' &)(8'&*]' &' '&34' D2&(4846' 9' =8142),3' &(;' 312*=42),3' 9) :' 45,' (2;,' :&(6' 9' 45,:' A6' ?),&4' &)48343' &(;' A @3' &(;' *24,3' &(;' 3 (?.:2381M 3 ' 45&4' 45,' * 33' ,3=,18&**6' 8(' =&8(48(?' 7&3' ',)6' 1 (38;,)&A*,' &118 ' [ )&' &)4 * : :,]' 1&))8,;' 45845,)' &*' 583' 342;8,3' 9';,38?(3' 9) :' 45,' (2;,M &(;'),(> ' ;8'),;8' &(;' :&(6' 45,)3' 75 ' 7,),' 1&**,;' 8&?((8' ;8;' 45,' 3&:,G

@3' 8(' ,O4)&);8(&)6' D2&(4848,3' 7,),' 5,&=,;' (' 45,' 35,*',3' 9'45,' ; :,;'=6)&:8;' 5,'1)23&;,'7&3',3=,18&**6' 5 4' &?&8(34' 45,' 7)@3' 9' 11&118 ' &(;' 2*18' &(;' 3 :,' 45,)3' 9'38:8*&)' 15&)&14,)' 24' 45,' 2)84&('>,&*,O4,(;,;' 843' 1 (;,:(&48 (' 4 ' 75 *,' 1&4,?)8,3' 9' &)481*,3' 9' &' :215' *,33' D2,348 (&A*,' @8(;' 0 ,' 98(;' 84'),1);,;' 9)' 8(34&(1,' 45&4' '&34' D2&(4848,3' 9' 9&*3,' 5&8)' 7,),' 99,),,;' 2=' A6' 1 (<' ,)4,;' '&(846' 0 :,(' A) 2?54' 45,8)' 5,&;.;),33,3' 1 34*6' 35&7*3' 9) :' 45,' &34') 2?,.= 43' ,33,(1,3' A 44*,3' 9')&(?,.9* 7,).7&4,)' &(;' =,)92:,3' 9' &*' 3)43' ,(' 1 (<4)8A24,;' 4 ' 45,' 5 * 1&234' ;81,' &(;' ;818(?.4&A*,3' 15,33<A &);3' 9'1 34*6' :&4,)8&*3' &(;' &)483481' 9&3588 (' 5&)=3' *24,3' &(;' &*' @8(;3' 9' :2381&*' 8(34)2:,(43' =*&68(?' 1&);3' ;)&78(?3' =8142),3' 7845' F' :&?81&*' &(;' 32=,)34848 23' A @3' 8(' 8(1),;8A*,' D2&(4848,3 G

5,' D2&(4846' 9' :831,**&(, 23' =) =,)46' 4523' 1 (;,:(,;' :&6' A,' 8(' 3 :,' :,&32),' ,348:&4,;' A6' &' 9&14'),1);,;' 7845' :215J,O2*4&48 (' A6' 2)*&:&1158' (,' 9' &' (&) *&P3' ,&)*6' A8 ?)&=5,)3' ' ,(,48&(' :,)15&(4' 3,,8(?' 45,' 5,&=' &(;' 458(@8(?' 45&4' 45,),' 7&3' &' 98(,' ==)42(846' 9)' ; 8(?' &' ? ;' 34) @,' 9' A238(,33' 99,),,;' &' 32:' 9' 47,(46.47 ' 45 23&(;' 9*)8(3' [7)45' (,&)*6' 89' (4' D284,' &3' :&(6

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= 2(;3 34,)*8(? &4 45, =),3,(4 ;&6] 9) 45, 1 **,148 (24 45, (*6),32*4 7&3 45&4 583 =)4)&84 7&3 =*&1,; (45, 4 = 9 45, =8*, A6 45, 38;, 9 45, : (34) 23 98?2), 8(4,(;,; 4 =,)3 (896 F &)(8'&* G &(; A2)(,; 4 ?,45,) 7845 84

0 5,(&** 7&3),&;6 &4 (8?54 45, 98), 7&3 3,4 4 45, 5,4,) ?,(, 23 :&33 A6 45, 5&(;3 9 45, :&?834)&4,3M &(; 758*, 45, 9*&:,3 *,&=8(? 58?5 4*8),7 98492*&(; D2&8(4 *8?543 &(; 35&; 73 ',) 45, 52?, 8)),?2*&) :&33 9 45, &*&1, 9 45, ,=2A*81 7845 843 3*,(;,) ',).5&(?8(? 4 7,) &(; 45, A,&24892* &)15,3 9 45, F* ??8&G 9)?&?(& 45, ,O184,; 9&(&4813 ;&(1,;) 2(; 45, =8*, 4 45, 3 2(; 9 4)2:=,43 &(; 35 243 F 45&4 G 3&63 45, C5834)8&(&);8 F 2= (45&4 11&38 (45, A 63 5&; & &)(8 &* 9,348'&* 3299818,(4*6 :&?(8981,(4 &(; ;,' 24 8(=*&1, 9 45, 8(',4,)&4, 1234 : 9 45, = =2*&1, 4 &:23, 45, :3,*',3 (45&4 ;&6 7845 45, 342=8; ;8',)38 (9 45) 78(? 34 (,3 &(; 45,) 348** :), ;&:(&A*, =)&1481,3 9 4583 2) ;,=)&',; ?,(,)&48 (G

9 &** 45, = =2*&) &(; :2(;&(, ;8',)38 (3 8(' ?2, ;&(18(? 3,,:3 4 5&', A,,(45, (*6 (, 75815 9 2(; 9&' 2) 8(45, 38?54 9 &' (&) *& 24 &3 45, =, =*, 7,), 45,(8(45, 5&A84 9 38(?8(? 8(15)23 758*, 45,6 ;&(1,; 45, ?),&4),9):,) 45 2?54 84 ;,38)&A*, 4 5&** 7 45, &:23,:,(4 A6 =) '8;898? 7);3 9 ?)&1, 9) 45, &11234 :,; 3 (?3 11);8(?*6 B8) *&: ,(8'8,(8 F 45, A,34 = ,4 9 45, ;&6 G 3&63 45, 5834)8&(8?(448 &(; &(,(45238&3481 ;8318=*, 9 &' (&) *& =) ;21,; &(2:A,) 9 5 *6 ;&(18(? 3 (?3 75815 7,), 32(? A6 45, =, =*, &(; 45, 9)8&)3 9 1 4 &)@ 75 1&:, 9) : 45,8) 1 (',(4 8(4 45, =8&>>& 4 ;&(1, 7845 45,:8(: (34) 23) 2(;3 9):,; 9 (, 9)8&) &(; (, *&6 1848>,(&*4,)(&4,*6 &** H 8(8(? 5&(;3 Q

:, 3=,18:,(3 9 45, 56:(3 4523 =) ;21,; &(; 45,(23,; 5&', A,,(=),3,)',;M &(; 45,6 9): & 3299818,(4*6 12)8 23 8**234)&48 (9 45, 4 (, 9 :8(; &(; 3)4 9 ;,' 24< (,33 A6 :,&(3 9 75815 &' (&) *& 3 2?54 4 34,:45,

,O4), : ,' *81,(48 23(,33' &(;' 1))2=48 (' 9' 45,' 48 : ,' 4 ' ,0123,' 45,'),=) ;2148 (' 9' 45,3,' ,O4)&);8(&)6')56 : ,3 ' 1 2=*,' 9' 45, : ' 5&',' 45,8P,9),' A, ,(' =)8(4,;' &4' 45,' ,(;' 9' 4583' 15&=4,)' 4 ?,45,)' 7845' &' 4 *,)&A*6' 1* 3,' ',)38 (' 8(' (?*835' ; ??,),*' 9)' 45,' A,(,984' 9' 45 3,' 75 ' ; ' (4'),&;' 4&*8&(

4' 83' 12)8 23' 4 ' : &)@' 45,' 38 : 8*&)846 L &' ?,(28(,' 9& : 8*6' *8@,(,33 L 75815' 83' A3,)'&A*,' A,47,,(' 45,3,' : &(89,34&< 48 (3' 9' 4&*8&(' &(;L :),')' *,33 L : &(834' 9&(&48183 : ' &(;' 45 3,' 3 ' 9& : 8*8&)' 4 ' 23' 9' 2)' 3,',(4,,(45.1,(42)6' 2)84&(3' 5,),' 83' =,)5&=3' &3' : 8?54' A,' ,O=,14,;' 3 : ,< 75&4' :),' 9' ?) 33' : &4,)8&*83 : ' &(;' &' 348*** 9&8(4,)' ?*,& : ' 9' 2(;,)*68(?' 3=8)842&*' 9,,*8(?' 8(' 45,' 3 245,)(.?) 7(' =8,46' 45&(' 8(' 45&4' 9' 45,' :),' ( )45,)(')&1,' 24' 45,' &44, : =4' 4 ' A)8(?' 45,' 8('838A*,' 7845 8(' @,(' A6' =2**8(?' 84' ; 7(' 4 ' 23' 8(34,&;' 9')&838(?' 2)3,*',3' 2=' 4 ' 84 L 45,' 12((8(?' 4)81@' 9' 3,,@8(?' 4 ' 42)(' (&42)&*' * 7' 8(348(143' &(;' = =2*&)' 5&A843' 4 ' 3=8)842&*' 23,3 ' A6' &' 38 : =*,' 15&(?,' 9' =5)&3, * ?6 L 45,' 8)),',),(4' 9& : 8*8&)846 ' &(;' 75&4' 83' :),' 12)8 23 ' 45,' 8;,(4846' 9' 45,') 43' 9' &**' 4583' 8(' 45,' 3& : ,' : 831 (1,=48 (3' 9' : &(P3' 3=8)842&*' (&42),' &(;' 45,' : ,&(3' 9' =2)8968(?' 84 L &),' ,D2&**6'), : &)@&A*,' 8(' ,845,)' 1&3, J

& o <6' '28*9=' (' 36%63369' 1,' 3* .' 1<*=' ?

' ,.' %t') 84' 54t' E62' =,2877,
4t' >4,:,.9,' .f') 8>>4,36
<6' 563' 762,' 6' 563' 8) ,36'
! 4' 6=t' 96+6.43' 5877,2

' #6) 536' :63:8' ,.,38' 69' 8) 8
K *62' :<6' 42' =8+4,' <8' 4.' ,94,' 18.1,
,+631C' 9,2,34' 6' 548.1,
2' 34=148.' 563:<@ 6>24' f' 5877, (
' ,.' %t') 84 (' ' !

+' 8394' =1,348' 94' 436.76' 24E' 44' ,' *+28) 8::<4' 418' 94' #8+,.83,28' ,' O422834' O418' 94' #8+,.83,28' 24E3,' 1637,' :85' +4' #66' 82=,' 8' 4%6' ,%' 42455,' #13,774' E;' 1<6' 536=6.1' G34163' %3,)' G<4:<' 8' 5831' ,% 1<6' %,36>,4.>' 8::,*.1' ,%' 1<6' E*3.4.>' ,% 1<6' +8.4146=' <8=' E66.' 18H6.

W [L

c ! 4=:4524.6 6 56.416.78
#,.'26 =*6 534) 6 962471u '
'4 =*,4 >8*94 6 26 2614746
) v3143' 563:<'6>24 f 5877, (
,.'%*) 84 (' ' ' ' 1 !
' >.*.,'>3494 :,) 6 4,'>349,
#6) 536 5877,' 5877,' 5877, M(

<4:<') 8;' E6 1<*=' .>24=<69 F'

' m 368163 5268=*36 =*36 1<8.' 1<4=
3 =G66163 .,') 8.' 6+63 <89
<8.' %,3 T6=*=' <34=1@=' 9683 =8H6
,' 3*.' G41<' 768 8.9 >289.6==') 89 (

' <6 <34=148.' 82G8;=' =66H=' 8449 2,+6='
<81 G<4:<' G4=6) 6.' 966 4),=1 =89'^
,+631;' >346%' 8.9 584.' 8.9 1683=' F
<6 <34=148.' 2,+6=' E6:8*=6 <6@=') 89 @3
' 368163 5268=*36 =*36 (' ' !78

! 4=:4524.6 8.9 56.416.:6
8H6 1<6 <34=148.' 6+63 >289^
.9 <4=' :<46% 9624><1 8.9 I,;'
,3) 6.1= 836 FE6:8*=6 <6@=') 89 (
' 368163 5268=*36 =*36 (' ' ' ! '

<6.' 261 68:<') 8.' :3;' G41T4) 6
89 ') 89 ') 89 ' G6@2' 6+63 E6 M(

<6 =6:,.9 4=' 8=' %,22,G=' ' :2,=63 =4) 428341;' 1,' =,) 6 ,% 1<6 ,29 83418.'
:,.:641=') 8;' E6 ,E=63+69 4.' 41?

' 2,' +,@ 98314' 8.4) 8) 48
T*' 34) 694,' =,2 ' :<6 +826
Z *8.14 ,>.@ 82136 8 :48=:*.') 826
<6 =4 :<48) 8 28 587748
,@ 136 ,.:46 82) 6.' 94 =56.96
36 94 %696' 6 =64 94 8),36^
! *6 94 548.1,' 6 5,.4 4.=46) 6
*11,' 82 %,:,' 962 8),36
8 94 5,4 E,2243 136 ,36^
36) 4 4.%4.6' 6 8>>4*.>4 18.1,'
! @ *) 421C 6 9,2,3 >*8.1,'
8=18 8 %83 A*6=18 587748 (

3 4.' .>24=<

' ' G422 >4+6 1<66' =,*2 ,%) 4.6' 9
.6) 694:4.6 E61163 %83 1<8.' 822^'
@ 4=' >I,,9 %,3 6+63;') ,3182 4
.9 =,) 6 1<6) 694:4.6 89.6==' :8

‘ 0 ‘ # #

‘ 1‘268=1‘1<366‘,*.:6=‘18H6‘,%‘<,56
<366‘,%‘%841<‘8.9‘=4D‘,%‘2,+6^
G,‘,%1683=‘8.9‘=61‘1<6)‘822‘
‘%436‘,%‘<,2;‘2,+6‘8E,+6

‘ 61‘1<6)‘E,42‘1<366‘<,*3=‘>,,9^
<6.‘=1384.‘1<6)‘,%%‘8.9‘899‘6.,*><‘
%‘<*)E26.6==‘8.9‘>346%1,‘)8H6
%‘1<4=‘E26=1‘)89.6==‘5 :‘ ;

#$%&'()' "*

.8.4),*=' 96=436' ,%' 1<6' :41476.=' 1,' 36:,+63' 4=8 =,2814,.' ,% 2,36.:6 ' <6' O6.6148.= <6' ,56 <6' !*H6'I,% 428. 2248.:6',% 2,36.:6' G41<' 38.:6 O46G=' ,%' #8+,.83,28 !4+4=4,.' ,%',54.4,.'4.' 2,36.:6 ' 83146=' 4.'1<6' 3681' ,*.:42 !681<',%' 4613,' 855,.4 =:6.98.:;',% 1<6' 3816=:<4(.+41814,.'1,' 8D4)4248.'H4.>',%'1<6' ,)8.='1,') 83:<' 4.1,' 182; 4=' .6>,14814,.=' 81' 2,36.:6 2,36.14.6' 3652; ' 8D4)4248.@='),+6)6.1=' 4.' 182; 4=' 965831*36' %3,)' 182; 38.B :6=:,' O82,34' ,.%82,.4636 #*::66969' 4.' 1<81' ,%%4:6' E;' 63.839,' 962' 63, 116)51',%' 4613,'96@ 694:4'1,'6.163'1<6':41; 6=*21=',%'1<81' *.=*::6==%*2'8116)51 .968+,*3',%' 8' 5831',%'1<6'#4>.,3;'1,',E184.' 1<6':,.96).814,.',%' #8+,.83,28 !4=1*3E8.:6' 81' 1<6' 81<69382',.' =:6.=4,.'98; #8+,.83,28'6D:,))*.4:8169 !4=:,+63;',%'8'52,1'%,3'@1<6' 36=1,3814,.,%'1<6' 694:4 4+6':41476.='8336=169 !4%%4:*2146='36=56:14.>' 1<6' 13482',%'1<6) ,839',%' 1G,'<*.9369':41476.='855,4.169'%,3'1<4=' 5*35,=6 .I*94:482':<838:163',%'1<4='E,839 !4=:*==4,.',%'1<6')81163' 4.'1<4='8==6)E2; 4.6'18H6.'E;'1<6'96%6.963=',%'1<6'%4+6':41476.= ' 5568'1,'1<6' 3681' ,*.:42 O4,26.1'96E816=',.'1<6'A*6=14,.',% 822,G4.>'1<4='855682 D:416)6.1'4.'1<6':41; 226>82'+4,26.:6',%'1<6' ,.%82,.463M',%'1<6' *429= #:6.6',%':,.%*=4,.'4.'1<6'I*9>)6.1'<822 ' 61163=' %3,)' ,)6'36:64+69'9*34.>'1<6'I*9>)6.1 %%6:1',%'1<6) ' ,.96).814,.',%'1<6'534=,.63='G41<,*1'855682 4)4941;',%'1<6'#4>.,3;' O4,26.:6',%' 38.:6=:,'O82,34 6'%,3:6='1<6'#4>.,3;'1,'+,16'1<6':,.B 96).814,. <6'534=,.63='E3,*><1'4.1,'1<6'<822'4.'<,56',%'6D:414.>' 541; <6'8116)51'*.=*::6==%*2 38.:6=:,'O82,34'53,+496='%,3'1<6' 6D6:*14,.',%'1<6'=6.16.:6',.'1<6'%4+6'534=,.63= <6'6D6:*14,.',% 1<6) 831'18H6.'4.'1<4=')81163'<;'#8+,.83,28

' 45,' :,&(758*,' 45,' : : (7,&*45' 45 2?5' 4523' &?84&4,;' A6' '8 *,(4',: 48 (3'&(;'4)('A6'45,';833,(38 (3' 9' =&)48,3' 75815' 7,),' A,1 :8(?' 9) :' ;&6' 4 ' ;&6' :),' ;8348(14*6';,98(`;'&(;' :),' 98,)1,*6'8(8:81&*' 4 ',&15' 45,)' 7&3' 348*' &(O8 23*6' 34)8'8(?' 4 '),1 ',)' 83&' (' 4583' 32AH,14' &* (,' &*' *),(48(,3' 7,),' 9' (,' :8(;'45 2?5'45,6

;899,),;' :215' &3' 4 ' 45,' *8(,' 9' 9),8?(' = *816' '581*8' 7&3'
: 34' *8@,*6' 4 ' *,&;' 4 ' 45&4' 1 (32: :&48 (' 24' 4)8,3'
)&;81&*3' =2)84&(3' D " ' (" ' : " " ' 9)8,(;3' I
9' 45,' ,;818' &(;' 2*4)&.;, : 1)&43' 7,),' &**' ,D2&**6' A,(4'
(' 32==),338(?' 45,'*8A,)46'&(;' ;,34) 68(?'45,'8(;,=,(;,(1,'
9' &' (,8?5A 2)' ,=2A*81' J (;' 84' :234' &*7&63' A,' A)(,'
8(' :8(;' 45&4' 4583' 7&3' (' 1&3,' 9' :&8(4&8(8(?' 2(8 (')'
=2448(?' ; 7(' 3,1,338 (')' ,',(' 89' 7,' 1D(38;,)' 45,'
1 (D2,34' 9' 83&' A6' *),(1,' &' 1 :=*,4,;' &(;' A6.? (,'
4)&(3&148 (' 1 (98) :,;' &(;' 3634,:&48>,;' A6' *&=3,' 9' 48:,'
3 ' 9&)' &3' 4 ' H234896' 45,' 45,)6' 45&4' 83&' 7&3' &' 1 (34842,(4'
=&)4' 9' 45,' : : (7,&*45' 9' *),(1,' 348**' 84' 7&3' (4'
2(8 (' 7845' 83&' 45&4' *),(1,' 7&(4,;' A24' 45,' 32AH,148 ('
9' 45,'1 (D2,),;' 1846' 4' 7&3' (4'=) = 3,;')' 45 2?54' 9'
9)' &(' 8(34&(4' 45&4' 45,' 83&(3' 7,),' 4 ' A,1 :,' 9),,' 1848>,(3'
9' 45,' : : (7,&*45M 45,6' 7,),' 4 ' A,1 :,' 45,' ;839)&(<
1583,;' &(;' F'2(1 ',(&(4,;' G' A (;3:,(' 9' 45,' *),(48(,'
1848>,(3M L 45,' 32AH,143' 9' &' :),P &)834 1)&481')' :),'
;,: 1)&481' *8?&)156' &3' 45,' 1&3,' :8?54' A,
&(' 84' A,' 45 2?54' 45&4' &' =, =*,' 75 ' &:8;' &**' 45,8)'
7(' 4) 2A*,3' &(;' ;833,(38 (3' 7,),' &?),,;' (*6' 8(' 7835<
8(?' 4583' 7,),' ,845,)' ;,3,)'8(?')' 1&=&A*,' 9' 9),,; :' &4'
5 :,'b
5,' ,99)43' 9' *),(1,' 4 '),1 ',).' 5,)' ; :8(8 (' ',)'
83&' A6' 9)1,' 9' &):3' 7,),' 1) 7(,;' ;2)8(?' 4583' =,)8 ;'
7845' A24' &' ',)6' 3:&**' :,&32),' 9' 3211,33' 5,' 34&4,' 9'
458(?3' 8(' 45,' 1846' 7&3' (4' 3215' &3' 4 ' ,(&A*,' 84' 4 ' 1&))6' ('
&' 9),8?(' 7&)' 7845' &;'&(4&?,' 24' A,38;,3' 4583' 18)12:<
34&(1,' 75815' ;8;'*,33' :83158,9' 8(.' 45,' :&44,)' 45&(' :8?54'
5&',' A,,(' ,O=,14,;' 78(?' 4 ' 45,'),&** 1 (1);' 9' 45,'
1848>,(3' &4' *,&34' (' 4583' 32AH,14' *),(1,' 7&3' (7' 34&(;8(?'
&* (,' 8(' 4&*6' ,)' *8(,' 9' = *816' 5&;' ,(48),*6' 83 *&4,;'
5,)M' &(;' 9)' (,'),&3 (')' 45,)' ,',)6' 34&4,' 8(. 4&*6' 7&3'
2(78**8(?' 4 ' 3,,' 83&'),34),;' 4 ' 5,)')' (,'),&3 (')'
45,)ML A24' 8(' (' (,' 1&3,' 9)' 45,'),&3 (' 45&4' 84' 7&3' (4

- ! 4 *,)&A*,' 45&4' (,' 9),,' 1846' 35 2*;' ;,34) 6' 45,' 9),,; :' 9' &' (,8?5A :J' (6' 3215' 8;,&' &3' 4583' 7&3' 348**' 45),,' 52(;),;' 6,&)3' A,(,&45' 45,' :,(4&*' 5)8> (' 9' 2) =,
5,' ,(,48&(3' 7,),' &3' 5&3' A,,('),*&4,;' 4 ' &**' 8(4,(43' 8(' = 33,338 (' 9' 45,' 1846' 9)' 45,' 48: ,' A,8(?' 5 *;8(?' 45,' 184&;,*' &(;' &*45 2?5' (4' &' 7,1**6' ? ',)(8(?' 45,' 1846' &3' :&34,)3' 6,4' 112=68(?' 3215' &' = 3848 (' 45,),' &3' 4 ' :&@,' 84' ,&36' 9)' 45D :' 4 ' A,1 :,' 3215' &4' 45,' 98)34' 9&' 2)&A*,' ==)< 42(846' (;' 84' 7&3' ',)6',' 8;,(4' 45&4' 45,6' 5&;' (' 8(4,(< 48 (' 9'),*8(D28358(?' 45,8)' 5 *;' 5,8)' AH,14' 7&3' 4 ' 7&84' 9)' 3215' &(' ==)42(846' 9' ,34&A*8358(?' 45,:3,*',3' 8(' &' = 3848 (' 75815' 7 2*;' 5&',' A,,(' 9' : 34' 8:=)4&(4' 3,)'81,' 4 ' 45,:.' 8(' 45 3,' &:A848 23' '8,73' 9' &1D28)8(?' &' =),= (;,<)&48(?' ; :8(8 ('8(' 45,' =,(8(32*&' 75815' 45,),' 1&(' A,' *844*,' ; 2A4' 7,),' &4' 45&4' 48: ,' ,(4,)4&8(,;' 8(' 45,' 1 2(18*' 15&:< A,)3' 9' 45,' Z2,,(' 9' 45,' ;)8&481
=,' *,O&(;,)' 7&3' 2('v8**8(?' 4 ' 3,,' 83&'),34),;' 4 ' *),(1,' A,1&23,' 84' 3,,:,;' 45&4' 89' 4583' 3 2)1,' 9' 5 348*846' &(;' ;899812*46' 7,),' 1* 3,;' 45,),' 7&3' (458(?' 4 ' =),',(4' 4&*6' 9) :' A,8(?',(48),*6' &4' =,&1,M &(;' 45,' ,O8348(?';834)8A248 (' 9' 5,)' 3 8*'8(4 ' 45,' '&)8 23' 34&4,3' 45&4';8'8;,;' 84' &: (?' 45,:' 1 (3 *8;&4,;' &(;' =,):&(,(4*6',34&A*835,;' (;' 4583' ;8;' (4' 8(' &(6' 7&6' 3284' 45,' '8,73' 9' 45,' *6' &45,)' 83' ?),&4' AH,14' 7&3' 4 ' 98(;')' :&@,' 3 :,75,),')' 3 :,5 7' 8(' 4&*6' &' =)8(18=&*846' 9)' 583' 3 (' (;' 5 7' 7&3' 4583' 4 ' 4 ' A,' &44&8(,;' 89' 458(?3' 7,),' 4 '),:&8(' &3' 45,6' 7,),b' 5,' =,P3' AH,14' 45,),9),' 7&3' 4 ' @,,=' 4&*6' 8(' &' 1 (;848 (' 75815' :8?54' &4' &(6' 48: ,' *,&;' 4 ' &' 31)&:A*,' 9)' 1) (,43' &(;' 3 ',),8?(48,3
5,' 2@,' 9' 8*&(' 45,' ,',)'),34*,33' 2;' 81 ' 7&3' (4' 78**8(?' 45&4' 83&' 35 2*;' A,'),34),;' 4 ' *),(1,' 9)C'),&3 (3' ',)6' 38:8*&)' 4 ' 45 3,' 9' 45,' ,(,48&(3' ,' 4 ' 5&;' (2)835,;' 5 =,3' 9' =2448(?' 583' 7(' 5&(;' (' 83&' 7845' 2*4,)8)' '8,73' ~*3 ' 9' 45,' 3&:,' @8(;' ,' 7&3' 92)45,)' 2(78**8(?' 45&4' 83&' 89' 84' 7&3' 4 '),42)(' 4 ' 32AH,148 (' 4

*),(1,‘3*8 2*;‘A,‘?8',(‘2=‘4 ‘45&4‘1846‘1 (3484 24,;‘&3‘35,‘ 7&3‘&4‘=),3,(4‘ 9‘5,‘7,),‘4 ‘&**6‘58:3,*9‘7845‘ *),(1,‘ &(;‘1 (3,(4‘4 ‘5,)‘),1 ',)6‘ 9‘ 83&‘5,‘7 2*;‘&4‘&**‘,',(43‘ =),9,)‘45&4‘84‘35 2*;‘A,‘ *),(1,‘2(;,)‘45,‘ ,;818‘)‘&4‘ *,&34‘2(;,)‘&‘? ',)(:,(4‘ 9‘F‘ 448:&48 G

,',)45,*,33‘45,‘ 45,)‘34&4,3‘7,),‘ ',)6‘ ;,38) 23‘45&4‘ *),(1,‘35 2*;‘H 8(‘45,8)‘*,&?2,‘&?&8(34‘)&(1,‘&(;‘4523‘ :&@,‘ 4&*6‘3,12),‘&?&8(34‘&‘),=,4848 (‘ 9‘&**‘45,‘ ,'8*3‘35,‘ 5&;‘3‘),1,(4*6‘3299,),;‘9) :‘),(15‘8('&38 (‘ *),(1,‘ &* (,‘),:&8(,;‘ (‘4,):3‘ 9‘9)8,(;358=‘7845‘)&(1,‘&88;‘ 7&3‘1 (48(2&**6‘2)?8(?‘45,‘),(15‘@8(?‘4‘),42)(‘ (1,‘ :),‘4‘ 4&*6‘&4‘45,‘5,&;‘ 9‘&(‘8('&;8(?‘&):6‘ (;‘ *),(1,‘7845‘5,)‘1 : :&(;‘ 9‘ : (,6‘&(;‘5 *;8(?‘45,‘ 1,(4)&**= 3848 (‘35,‘ ; ,3‘8(‘45,‘=,(8(32*&‘1 2*;‘; ‘ :215‘ 4 7&);3‘A)8(?8(?‘ &A 24‘3215‘&(‘,',(4‘ ,)‘ (*6‘ AH,14‘ 8(‘4583‘32818;&**&(;‘2(.4&*8&(‘=*816‘7&3‘45,‘5 =,‘45&4‘A6‘ 4583‘ :,&(3‘35,‘ :8?54‘),1 ',)‘ 83&‘ ‘&: 2(4‘9‘,'8** 7&3‘4 ‘?),&4‘&=)81,‘4 ‘=&6‘9)‘45&4‘=&)&: 2(4‘AH,14‘ 4‘ 7&3‘&3‘?),&4‘&(‘ AH,14‘7845‘45,‘&31,481‘2(7)*;*6‘ &' (&<) *&‘&3‘ 7845‘45,‘: 34‘7)*;*6‘&:A848 23‘F‘ 44):&4‘G‘8(‘ 45,‘1846‘ 5,‘)8&)‘5&;‘=) :83,;‘45,‘32AH,148 (‘9‘ 83&‘ &3‘5&3‘A,,(‘3,,(‘&3‘&‘A (‘4‘45,‘ *),(48(,3‘;,348(,;‘A6‘ B ;‘4‘),''&);‘ 45,8)‘=8,46‘ (;‘ &' (&) *&‘7&3‘ : 34‘ ,&?,)‘9)‘45,‘),42)(‘ 9‘45,‘),(15‘@8(?

4‘83‘4)2,‘5 7,',)‘45&4‘45,‘)8&)‘5&;‘ 45,)‘ : 48',3‘9)‘ 7835 8(?‘4583‘A,38;,3‘45,‘5 =,‘ 9‘),1 ',)8(?‘ 83&‘ 5&)*,3‘ 7&3‘348**‘8(‘583‘,6,3‘45,‘F‘ *&?,**2:‘ ,8 G‘ *,‘7:3‘4‘),42)(‘4‘ 4&*6‘9)‘45,‘,O,1248 (‘ 9‘45,‘7)&45‘ 9‘B ;‘ (‘&‘ 1))2=4‘ 528P15‘&(;‘3=,18&**6‘ (‘&‘38: (8&1&**&(;‘8(9&: 23‘ =,‘ 4‘7&3‘ :),‘45&(‘,',)‘ (,1,33&)6‘4‘45,‘)8&)‘45&4‘ &**‘4583‘35 2*;‘A,‘ ; (,‘A,1&23,‘5,‘5&;‘&?&8(‘&(;‘&?&8(‘ ;,1*&),;‘45&4‘84‘35 2*;‘A,‘ ; (,‘ (;‘45&4‘38: (8&1&**&(;‘ 8(9&: 23‘ =,‘ :), ',)‘ 7&3‘&332:8(?‘&‘ = 3848 (‘&(;‘ A,&)8(?‘4 7&);3‘45,‘),9):8(?‘)8&)‘ 75815‘ :&;,‘84‘ :),‘ 45&(‘,',)‘ ,O=,;8,(4‘45&4‘5,‘35 2*;‘A,‘37,=4‘C&7&6‘A6

WU ‘ # ‘ ‘ ‘ ‘ ‘ ‘

! WUX[3U : ,‘ F‘ *&?,**2 : ‘ ,8v ‘)‘ 45,)783,‘ 89‘ 45,‘ =),&15,)‘8',) ‘ 1(4‘4 ‘A,‘37,=4‘&7&6‘58 : 3,*9

‘45,3,‘18)12 : 34&(1,3‘ 7,),‘ 4,(;8(?‘4 ‘ ,O&1,)A&4,‘ 45,‘ 34&4,‘ 9‘9,,*8(?‘8(‘ *),(1,‘ :),‘&(;‘ :),‘9) :‘ ;&6‘4 ‘;&6‘ 5,‘?)&(;‘ ;8'838 (‘ 9‘ =&)48,3‘ (7‘42)(,;‘ (‘45,‘D2,348 (‘ 75,45,)‘84‘7,),‘ :),‘ ;,38)&A*,‘ 4 ‘ &11,=4‘45,‘ ',)42),3‘ 9‘ 45,‘ *,&?2,LE ,(81,‘&(;‘ 8*&(L &(;‘5 =,‘4 ‘ A4&8(‘ 83&‘ A6‘ :,&(3‘ 9‘ (,? 48&48 (‘ 7845‘45,:L [9)‘45,),‘ 7,),‘),&3 (3‘9)‘A,*8,'8(?‘45&4‘ 2; '81 ‘&*),&;6‘H,&* 23‘ 9‘45,‘ = 7,)‘45,‘ ,(,48&(3‘7,),‘ &1D28)8(?‘45,),‘7 2*;‘ (4‘A,‘ &',)3,‘4 ‘3,,8(?‘ 83&‘),34),;‘4 ‘ *),(1,‘ ,3=,18&6‘89‘ *),(1,‘35 2*;‘),42)(‘4 ‘ &‘ ;,3= 481‘)‘&4‘*,&34‘ *8?&)1581‘ 9) :‘ 9‘? ',)(:,(4]‘M)‘)&45,)‘4 ‘5 *;‘9&34‘A6‘45,‘),(15‘ @8(?‘),923,‘ &**‘ 45,‘=) = 3&*3‘ 9‘45,‘*,&?2,‘&(;‘*8',‘ 8(‘ 5 =,‘ 9‘ &‘3,1 (;‘),(15‘8('&38 (‘ 9‘1 2)3,‘45,‘F‘)&< 4,3158‘G‘4 ‘ &‘ :&(‘7,),‘9)‘45,‘*&34‘1 2)3,‘ 24‘84‘83‘',)6‘ ,&36‘4 ‘A,*8,',‘45&4‘ :&(6‘&(‘5 (,34‘* ',)‘ 9‘583‘1 2(4)6‘ :8?54‘5&',‘45 2?54‘45&4‘45,‘98)34‘&(;‘9),: 34‘AH,14‘9‘ &(‘4&*8&(‘= *84818&(‘35 2*;‘A,‘45,‘=) 4,148 (‘ 9‘583‘(&48',‘ 3 8*‘ &?&8(34‘&‘),=,4848 (‘ 9‘45,‘ ;83?)&1,‘&(;‘3299,)8(?‘ 75815‘45,‘=),3,(1,‘ 9‘45,‘),(15‘5&;‘ 11&38 (,;

24‘45,‘232&*‘ :83158,93‘&)838(?‘98 :‘45,‘ ,O1,33‘ 9‘ =&)46‘ 9,,*8(?‘&(;‘45,‘ :8(?*8(?‘7845‘84‘ 9‘8(;8'8;2&*‘&(;‘9&:8*6‘ 5&4),;3‘75815‘9) :‘98)34‘4 ‘*&34‘15&)&14,)8>,;‘45,‘= *8481&*‘ *89,‘ 9‘ *),(1,‘7,),‘ :),‘&(;‘ :),‘34) (?*6‘ :&(89,348(?‘ 45,:3,*',3‘ *),&;6‘45,‘B),&4‘ 2(18*‘7&3‘;8'8;,;‘8(4 ‘ 47 ‘=&)43‘&3‘A6‘&‘*8(,‘ F‘ 5,‘5,&),)3‘ 9‘45,‘)8&)‘A&(;,;‘ 45,:3,*'=‘4 ?,45,)‘A6‘&‘3)4‘ 9‘38*,(4‘&?),,:,(4‘ (;‘ &3‘45,),‘ 7,),‘ :&(6‘1848>,(3‘ 9‘(4,‘&: (?‘45,:‘ &(;‘ 45,6‘7,),‘ :),‘8(‘ (2:A,)‘45&(‘45,8)‘&;',)3&)8,3‘84‘7&3‘ 3,,(‘45&4‘45,‘ 9981,3‘&(;‘=2A*81‘5 (2)3‘7,),‘ ;834)8A24,;‘ :215.:),‘&: (?‘45,:‘45&(‘&: (?‘45,‘ 45,)3‘ (;‘ 9)‘4583‘),&3 (‘45,‘1846‘7&3‘ :&(89,34*6‘)&(?,;‘8(‘47 ‘ 1&:=3‘ (;‘,845,)‘=&)46‘ == 3,;‘45,‘ 45,)‘8(‘45,‘=2A*81‘ 1 2(18*3‘3 ‘98,)1,*6‘45&4‘ :,(‘1&),;‘(458(?‘9)‘45,‘=2A*81

7,&*‘A24‘7,),‘8(4,(4‘(*6‘(‘;,34) 68(?‘45,‘),=24&48 (‘9‘ I
45,8)‘&;‘,)3&)8,3GJ WUX:

‘34) (?‘&(;‘98,)1,‘7&3‘45,‘9&148 (‘5&4),;‘45&4‘75,(‘
(,73‘),&15,;‘ *),(1,‘8(‘45,‘&242:(‘9‘ - !‘45&4‘ 8,4) ‘
&== (8‘75‘7&3‘3,)‘8(?‘&3‘ : :833&)6‘9‘45,‘ ,=2A*81‘
7845‘45,‘&):6‘45&4‘7&3‘=,)&48(?‘&?&8(34‘ 83&‘5&;‘A,,(‘
@8**,;‘&4‘45,‘38,?,‘9‘&‘3:&**‘1&34*,‘8(‘45&4‘4,))84)6‘583‘
;,&45‘7&3‘:&;,‘&‘:&44,)‘9‘=,(‘),H 818(?‘8(‘ *),(1,‘
,‘5&;‘3,)‘,;‘ *),(1,‘7,**‘&(;‘(A*6‘&3‘7,‘5&‘,‘3,,(‘
,‘7&3‘),: ‘,;‘9) :‘24‘9‘45,‘5,&4‘9‘45,‘98?54‘75815‘
7&3‘)&?8(?‘8(‘45,‘?),&4‘5&**‘9‘45,‘=&*&1,‘ ,‘;8,;‘8(‘45,‘
=) 3,1248 (‘9‘7&)‘ (‘45,‘3211,3392** 8332,‘9‘75815‘,‘,)6‘
5,&)4‘8(‘ *),(1,‘7&3‘3,4‘ (;‘6,4‘A,1&23,‘5,‘5&;‘A,,(‘
1 (38;,),,;‘45,‘5,&;‘9‘45,‘=&)46‘ == 3,;‘4‘45,‘)8&).‘
*),(1,‘&‘7,;*6‘),H 81,;‘ ‘,)‘583‘;,&45 9‘
‘5,‘),:‘&** 9‘ &== (8*,94‘45,‘=&)46‘9‘45,‘F‘)&4,3158‘G‘
:),‘45&(‘,‘,)‘32=,)8)‘4‘45,8)‘&;‘,)3&)8,3‘8(‘ *),(1,‘
(;‘45,),‘7&3‘(‘5=,‘*,94‘45&4‘45,‘1846‘7 2*;‘1 (3,(4‘4‘
&11,=4‘45,‘=) = 3&*3‘9‘45,‘*,&?2,‘ 2;‘81‘45,),9),‘
&(;‘45,‘ ,(,48&(‘ ,(&4,‘;,4,):8(,;‘ (‘4)68(?‘&(45,)‘
:,&(3‘9‘9)8?54,(8(?‘)‘9)18(?‘45,‘ : : (7,&*45‘8(4‘45,‘
=&45‘ (‘75815‘45,6‘7,),‘&(O8 23‘45&4‘84‘35 2*;‘,(4,)‘
583‘7&3‘(458(?‘*,33‘45&(‘8(‘848(?‘ &O8:8*8&(‘$8(?‘9‘
45,‘ :&(3‘8(4‘4&*6‘4,:=48(?‘58:‘7845‘45,‘5=,‘9‘
A4&8(8(?‘45,‘ :=,)8&** 1) 7(‘&4‘ :,
4‘3,,:3‘,O4)&);8(&)6‘45&4‘ 2;‘81‘75‘5&;‘3‘*&4,*6‘
A844,)*6‘),=,(4,;‘9‘5&‘8(?‘8(‘84,;‘45,‘),(154 .=&33‘45,‘
*=3‘&(;‘45,‘ ,(,48&(‘ ,(&4,‘75815‘:234‘5&‘,‘5&;‘3,(3,‘
,(2?5‘4‘@(7‘45,‘=) A&A*,‘),32*43‘9‘75&4‘84‘7&3‘;8(?‘
35 2*;‘5&‘,‘1 (12)),;‘8(‘4&@8(?‘3215‘&‘),1@*,33*6‘;&(<
?,) 23‘34,=‘ (;‘45&4‘45,6‘35 2*;‘5&‘,‘; (,‘‘92)(835,3‘
6,4‘&(45,)‘=) 9‘9‘45,‘A*8(;(,33‘4‘45,‘(&42),‘9‘),&*

Z‘ *4::48394.4‘#1,348‘9@18248‘24E‘444‘:85‘+4‘+,4‘44‘5‘W U‘62‘:41‘
1‘ *4::48394.4‘#1,348‘ 4,36.14.8‘,5‘4.69‘+,4‘444‘5‘WUU

WUX[=) 3=,)846 75815 45, ?),,; 9) ,O4,(;,; I; :8(8 (1 2*; =) ;21, K 45 45, ,(,48&(3 &(; 45, 2@, 9/ 8*&(7,), * @8(? 9)7&); 4 = 338A8*848,3 9 1 (D2,34 &(; &=< =) =)8&48 (75815 4@,.2(34&A*, 1 (;848 (9 4&*8&(= *8481&* &))&(?,:,(43 5&; 4&2?54 45,: 4 * @ (&3 =) A&A8*848,3 &(; 75815),(;,),;J45, 9&) ?),&4,) =) A&A8*848,3 9 :), 8: :,;8&4, ,'8*3 9 D284, 3,1 (;&)6 8:=)4&(1, 8(45,8) 38?54

&O8:8*8&(A,9), ,(4,)8(? 4&*6 3,(4 &:A&33&;)3 4 *),(1, &3@8(? 9) & 9),, =&33&?, 45) 2?5 45, 4,))84)6 9 45, : : (7,&*45 &(; 2)?8(? 45, *),(48(,3 4 &14 &3 F ? ; 4&*8&(3MG J L &),:&)@&A*, =5)&3, 75815 8(;81&4,3 45&4 45, &?, 7&3 (4 8(3,(38A*, 4 45, 8;,& 45&4 4&*8&(3 &3 3215 . 7,; &;246 4 4&*6 &3 &?&8(34 45,),34 9 2) =,M &(; =) ',3 45&4 45,),923&* 9 *),(1, 4 H 8(45, *,&?2, 9) 45, =2)= 3, 9 ;,9,(;8(? 4&*6 &?&8(34),(15 8('&38 (7&3 1 (38;,),; &3 *&68(? 45, 1846 =,(4 45,),=) &15 9 8?( )8(? 4583),1 ?(8>,;H;246 (*6 84 3,,:3 & 34)&(?, &)?2:,(4 8(45, : 245 9 45, &:A&33&;)3 9 &(45,) : (&)15 ,D2&**6 7845 45,),(15 @8(? &(2*4)&:(4&(, 8('&;,) *),(1, 5 7,',) 8(5,)),=*6 ;8; (4 4 215 (&(6 3215 ;,*81&4, ?) 2(; &3 4583M A24 7;45 &** = 338A*,J 1 2)4,36 4 *; 45, 8:=,)8&* ,(63 45&4 35, 7 2*;J*C', 45, 5 (2) 9 3,(;8(? &(,:A&336 4 45,8) 3 ',),8?(75815 7 2*; 3&4839&14)8*6 ,O=*&8(45, *8(, 9 1 (;214 =2)32,; A6 45, : : (7,&*45

9, =*&8(&(37,) 4,**8(?J 45, 75 *, 4)245 &(; (458(? A24 45, 4)245 7 2*; 5&', A,,(F Y05&4 ; ,3 45, $8(? 9 45, :&(3 :,&(4 ; &A 24 83&b 5&4 83 45, 3 *, D2,348 (Y0, 1&), ',)6 *844*, &A 24 A,8(? /? ; 4&*8&(3 P 24 7, 5 =, 7, &), ? ; *),(48(,3 (; 7, 7&(4 &(; :,&(4 5&', 83& 0 8** 6 2) :&34,) ?8', 84 4 23 9 (4 7, =),9,) 45, $8(? 9)&(1,) &(6 45,) @8(?)

= 7,)' 05,45,)J 9' ;&)@(,33')' 9'E8?*84' 75 ' 78**' ; ' 3 ' %'+
0 ,' 7835'9)' =,&1,'&(;'4)&(D28**846'8(' 4&*6' ' &3'3 (' - !
&3'7,'5&','? 4' 8 &' 8**' 45,('&(6'&(;',')6',*,:,(4' 9'
=,)42)A&48 (' &(;' 1&23,' 9' 15&(?,' 83' =),9,)&A*,' 4 ' 23 G'
583' 7 2*;' 5&',' A,,(' &(' =,(.5,&)4,;'),=*6' &8*;' 7 2*;'
5&',' ',)6' 1 8 ,14*6' 3,4' 9)45' 45,' 75 *,' 9),8?(' = *816' 9'
*),(1,'&4'4583' =,)8 ;'

&O8:8*8&(' 1&:,' 4 ' 8*&(' A24' 5&;' *,94' 45&4' 1846'9)'
B,(&'A,9),' 45,' *),(48(,',(' 63' 75 ' 5&;' A,,('3,(4' 4 '
58:' ? 4' 45,),' 5,6'9 ** 7,;' 58:' 4 ' 4R,(&M A24'1 2*;'
?,4'9) :' 58:' (*6',''&38',' &(37,)3'),3=,148(?'583'8(4,(48 (3'
75,('5,'35 2*;' ?,4'4 ' 83&' 9)' 75815'=*&1,'5,'7&3' ('45,'
=8(4' 9' ,:A&)@8(?' 9'1 2)3,'45,'$8(?' 9'45,' :&(3'
1&**,;'&1) 33' 45,' 4&*8&('9) (48,)'A6' 4&*8&(')2*,)3'4 ' 3,44*,'
45,8)' &99&8)3' 9)' 45,:' ;,1*8(,;' 4 ' : ',' &('8(15'8('45,'
:&44,)' 7845 24' 92**' =&6:,(4' 9'583',O=,(3`3'&(;'&'4)89*,'
8(' 583' = 1@,4' A,38;,3' &O8:8*8&('),1,8',;' &' 32==*6' 9'
1&35'9) :' 45,' &**8,3' 758*,' 8(' B,(&' 24' 5&'8(?'A,,('
;,*&6,;'9)' :&(6';&63'A6'&;',)3,'7,&45,)'A6'45,'48:,'5,'
? 4' 4 ' 83&'&94,)'),:&8(8(?'&'*844*,'758*,'&4' ,?5)('45,'
: (,6'7&3'&**? (,'),',)'&'9,7'358=3'75815'5,'5&;'
7845'58:' 7,),';831 :984,;'(,&)' ,?5)('&A 24' 45,',(;' 9'
14 A,)'=&)4*6'A6'45,'7,&45,)'&(;'=&)4*6'A6'3 :,'),(15'
',33,*3' 75815'5&;'),1,(4*6'A,,(' 3,(4' 9) :')&(1,'&3'&'
:&(89,34&48 (' 8(' 9&' 2)' 9' 45,' *),('48(,3' &O8:8*8&(
2(;,)'45,3,'18)12:34&(1,3'7&84,;'&'35)4' 48:,'&4' 83&'9)'
&'92)45,)'32==*6' 9'1&35'75815'5,',O=,14,;'9) :'45,'Y8C,(,'
48&(3' 24' 45,' ,(&4,'1&248 23*6'H,&* 23'&(;'A,?8((8(?'
4'323=,14' 45&4' 45,'$8(?' 9' 45,' :&(3' 7&3' :),'45,'
2@,' 9' 8*&(P3' 9)8,(;'45&(' 45,8)3'7&3'8(' ('528 6'4'
3,(;'45,' ,O=,14,;'),:844&(1,3' '45&4'&94,)'7&848(?'8('
'&8(' 9)'&' 35)4' 48:,' &O8:8*8&('32*@6'&(;'8(;8?(&(4'
7&35,;'583'5&(;3' 9' 45,'75 *,'&99&8)'&(;'),42)(,;'F'842<
=,) 3&:,(4,G'&3'B28118&);8(8'3&63'4 ' 83&' F' 2448(?'&'
+63;' 2(;8?(898,;'98?2),G'3,,:3'4 ' ?8',' =),446' &112)&4,*6
* ,' "*

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4 ,' 4&*8&(' 5834)8&(P3' : ,&(8(?' &(;' 84' : 234' A,' &; : 844,;' .45&4' 45,J &44842;,' 9' &' $8(?' 9' 45,' :&(3' &3@8(?' 9)' 583' =&6' &(;' 34)8@8(?' 7)@' A,1&23,' 5,' 1 2*;' (4' ?,4' 84' 7&3' (4' &*4 ?,45,)' &('8 : =,)8&*' (, J

9' 1 2)3,' 45,'),H 818(?' ',)' 583' ;,=&)42),' 7&3' ?),&4' 8(' *),(1,' 4' 7&3'9,*4' 45&4' 45,';,*&6' 9' &O8 : 8*8&(P3' : ',< : ,(43' A6' 45,' A&;' 7,&45,)' 45,' ;832(8 (' A,47,,(' 58 :' &(;' 583',: =* 6,)3'A),&@8(?' 24'H234' &4' 45,')8?54' : :,(4' &(;'45,' 78(;3' 75815'9 2?54' (' 45,' 38;,' 9' *),(1,' A6' 5,*=8(?'4 ' ;,34) 6' 583' 9*,,4' 7,),' &**' F' &' ;8'8(,' :634,)6' ,3=,18&**6' &3')&' B8) *&: ' 5&;'A,,(' &**' 45,' 48 : ,' =),&158(?' &(;'&332)8(?' 45,' *),(48(,3' 45&4' 45,6' 5&;' (458(?' 4 ' 9,&)' 9)' 45&4' B ;' 7 2*;' *8A,)&4,' 45,:' 9) :' 45,=),3,(4' ;&(?,) G J

'8;,(4*6' &(45,)' 1&3,' 9' =) =5,16' 75815' 5,*=,;' (4' &' *844*,' 4 ' @,,=' 2=' 45,' 15&)&14,)' 9' 45,' =) =5,4' &(;' 583' &31,(;,(16' ',)' 45,' =2A*81' :8(;

4' 45,' A,?8((8(?' 9' 45,' (,7' 6,&)' [- N]' &11);8(?*6')&(1,31 ' &*)8' 45,' (7' =,)9,14*6'),1 ?(83,;' 5,&;' 9' 45,' =&)46' 9' 45,' F')&4,3158 G' 7&3',*,14,;' B (9&* (8,),' 0,' 5&',' 5&;' ,33,)' &*)8' (' 45,' 31,(,' &*),&;6' &(;' &),' &1D2&8(4,;' 7845' 583') 2?5.&(;.),&;6' &(;' 45) 2?5.? 8(?' : ;,3' 9' = *8481&*' &148 (' 0,' @(7' 75&4' 4 ' ,O=,14' 9) :' 45,' ,(,)?,481' 1848>,(' 75 ' 35 7,;' 583' * ',' 9' *8A,)46' A6' 5,&;8(?' 45,' = =2*&1,' 75,(' 45,6')235,;' 4 ' 45,' 3&1@8(?' 9' 45,' ,;81,&(' =&*&1,' 75,(' 7,' 98(;' 58 :' 8('45,' = 3848 (' 9' 98)34' :&?834)&4,' 9' 45,' : : (7,&*45' (;' (' ; 2A4' *),(1,' @(,7' &*3 ' 75&4' 35,' ,O=,14,;' 75,(' 35,' :&;,' 58 :' 5,)' B (9&* (8,),' (,' 9' 45,' 98)34' &143' 9' 4583' &);,(4' * ',)' 9' *8A,)46' 7&3' 4 ' A&(835' 9) :' *),(1,' 32(;)6' =),&15,)3' 9' 45,');,)' 9' 4 ')&(183' 75 ' F' =,(*6' 1 (< 4)&;814,;G' &' (&) *&' 9' 1 2)3,' 0 &3' (4' &' (&) *&' 45,' ?),&4' &= 34*,' &(;' 32==)4,)' 9' ;,: 1)&481' 9),,; :b

&(;'35&**'84' A,'4 *,)&4,;'45&4'583' ; 14)8(,3'35&**'A,'F' =,(*6' '
1 (4)&;814,;bG
,'&*3 '1&23,;' ',)6'3,',),' *&73'J' 4 ' A,' =&33,;' &?&8(34'
45 3,' 1848>,(3' 8'5 ' 5&;' ? (,' 4 ' : ,' 4 ' A,' (,&)' 45,'
&);8(&*' ;,P ,;818' [B8 '&((8' 45,' 6 2(?,)' A) 45,)' 9'
8,4) ' &94,)7&);3' , ' %]' ,(9)18(?' 45,8)'),42)(' 4 '
*),21,' &(;' =) 58A848(?' &**' 8(4,)1 2)3,' 7845' 45,' ,O8*,;'
&(;' 24*&7,;' 9&:8*6' ,' 5&;' ?),&4' ;899812*46' 7,' &),'
4 *;'8(' ?,448(?' 45,3,' *&73' =&33,;'(4'3 ' :215'A6'),&3 ('
9'&(6'9,,*8(?' 8(' 45,' 1846'8('9&' 2)' 9' 45,' ,;818'&3'9) :'
45,'34),(?45' 9'45,'=&)46'8(8:81&*4 '45,')8&)
('9&14' 45,' 34&4,' 9' =&)48,3' 8(' 45,' 1846' 83' ',)6'9)18A*6'
35 7('A6'45,' ,*,148 (' 9' ,)(&);';,* ,) ' 4 ' 45,' 9981,'
9' B (9&* (8,),'&3' 3211,33)' 4 ' &*)8' 75,('583' 4,):' 9'
9981,' 1&:,' 4 ' &8]' ,(;' &4' 45,' 1* 3,' 9' ,A)2&86' - N'
,)(&);';,* ,) ' 5&;'A,1 :,'38(1,'45,';,&45' 9' 8,4) '
&== (8'45,'9),: 34' :&('&(;'),1 ?(83,;'*,&;,)' 9' 45,'
=&)46' == 3,;' 4 ' 45,')&4,' (;' 4 ' 98(;' 58:' 4523'
3211,,;8(?' 4 ' &*)8' &4' 45,' ;834&(1,' 9' 47 ' : (453'9) :'
45,' ,*,148 (' 9' 45&4' '8 *,(4' =&)483&(' 9' 45,' F)&4,3158 G'
35 73'5 7' 45,' 1846' 7&3' 4 33,;' 4 ' &(;'9) 'A6'45,' '8 *,(1,'
9'45,'=&)46'34):
4' 7&3' 8(' 45,' : (45' 9' =)8*' 758*,' ,)(&);' 7&3' 348**'
B (9&* (8,),'45&4' *),(1,'7&3' &*&):,;'A6'&(' &44,:=4' 9'
8,4) ';,P ,;818' 4 ' 9)1,' 583' 7&6' A&1@' 8(4 ' 45,' 1846'
,)(&);' 7&3' &(' *;' &(;' 7,**.@(7(' =&)483&(' 9' 45,'
,;818M &(;' 45,),' ',)' (4' 7&(48(?' ?) 2(;3' 9' 323=818 ('
45&4' 5,' 7&3' 8(' 4),&3 (&A*,' 1)),3= (;,(1,'7845' 45,' ,O8*,3
24' 84' 83' &*3 'D284,'=) A&A*,'45&4' 45,' &44,:=4' 9' 8,4) ':&6'
5&',' A,,(' 8('84,;' A6' 45,' 38:=*,' 9&14' 9' &' =&)483&(' 9' 583'
5 23,' A,8(?' 85' = 3848 (' 9' B (9&* (8,),' 5,' : :,(4'
:8?54' 5&',' A,,(' ;,,:,;' ==)42(,' &*3 ' A,1&23,' 45,),

' '" <6>>,' 8=534==4)6(*4:,48394*4' #1,348' 4,36.14.8',5'4.69 ' +,4'
5' WU

'

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7&3' &' ? ;' ;,&*' 9' ;831 (4,(4' 8(' 45,' 1846' (' &11 2(4' 9' 45,' ,O1,=48 (&**6' 58?5' =)81,' 9' 9 ;' J B28118&);8(8' 3&63' 92)45,)' 45&4' 8,4) ' 7&3' 8(184,;' &(;' &33834,;' 4 ' :&@,' 45,' &44,:=4' A6' 45,' ,(,48&(3' (' &(6' 1&3,' 84' =) ',;',(48),*6' &A)48',' 5,' 1848>,(3'5,&);'45&4' 8,4) ' 5&;' A,,(' &4' 8,(&' &(;' 45&4' 5,' 5&;' *,94' 84')8;8(?' 7845' &' 1 (38;,)&A*,' (2:A,)' 9' &):,;' :,(' 4 7&);3' 45,' 1846' (' 45,' #N45 ' ,' 1&:,' 4 ' &' =*&1,' 1&**,;' &'&)(,**&' &' 9,7' :8*,3' (*6' 9) :' 45,' ?&4,3' 45&4' ,',(8(?' 8(4,(;8(?' 4 ' :&@,' 583' &==,&)&(1,' &4' 45,')4&' :&(&' ,&)*6' 45,' (,O4' :)(8(?' 24' 583' =*&(3' 7,),' 8(.' 9&14' ;,)&(?,;' A6' 3 ' 5,&'6' &' 9&**' 9')&8(' 45&4' 583.' &))8'&*' &4' 45,' ?&4,' 7&3' :215' ;,*&6,;' & * ' 84,**8' &(' *;' 3 *;8,)' 9' 45,' ,=2A*81' 5&==,(,;' 4 ' A,' 8(' 45,' 1846' 5&'8(?'),1,(4*6'),42)(,;'9) :' &'=)83 (' &4' &(42&M &(;' 5,' 7&3' 3,(4' 8(' 45,' :,&(48:,' 7845' &' 3:&** 9)1,' 4 ' 45,')4&' :&(&' 75815' 5,' 3524' &(;' A&))81&;,;' &(;' 3 ' 7&84,;' 4 ' 3,,' 75&4' 7 2*;' (,O4' 5&==,(

5&4' 3&:,' :)(8(?' 9' 45,' # 45' 45,' (,7' 8?( )8&' 9)' 45,' ,(328(?' 47 ' :(453' 5&;' 4 ' A,' &== 8(4,;' &(;' 45,' 1848>,(3'3,*,14,;'7,),'&**@(7(' == (,(43' 9' 45,' ,;818 L' &' 34) (?' 36:=4 :' 45&4' 45,),' 7&3' (4' H234' 45,(' :215' 4 ' A,' 5 =,;')' 9,&),;' 9) :' &(6' ,;81,&(' 4,(4&48',' (' 9&14' 45,' @(7*,;?,' 45&4' 8,4) ' 7&3' 2438;,' 45,' ?&4,' 1&23,;' ',)6' *844*,' ,O184,:,(4' 8(' 85,' 1846' :,' 47 ' 52(;),;' 1848>,(3' 9' @(7(' ,;81,&(' =) 1*8'848,3' 7,),' &)),34,;' &3' &' =),< 1&248 (&)6' :,&38:,' 24' 45,),' 7&3' (' :&(89,34&48 (' 9' &(6' :',:,(4' 9' 45,' 1846' 8(' 9&' 2)' 9' 45,' ,O8*,' (;' &94,)' 5,' 5&;' 7&84,;' 3 :,' 5 2)3' 8(' 45,' '&8(J5 =,' 9' 3215' 5,' D28,4*6' 42)(,;' &A 24' 5,' &(;' 583' 9 ** 7,)3' &(;') ;,' A&1@' &?&8(' 4 ' 8,(&

,',)45,*,33 *844*,' 8:=)4&(4' &3' 4583' 8**.H2;?,;' &44,:=4' 7&3' 8(' 843,*9' 84' ;8;' (4' 9&8*' 4 ' =) ;21,' ,'8*3' 9' 45,' @8(;' 75815' 5&',' &*7&63' 9 ** 7,;' 45,' 38:8*&)' &44,:=43' 9' =),< 4,(;,)3' 5 7,',)' *844*,'),&*' 1&23,' 9)' &*&):' 45,6' :&6' 5&',' A,,(' 1&*12*&4,;' 4 ' =) ;21,' 5,' 98)34' 8:::,;8&4,'),32*4

7&3' 4 ' 1 (4)8A24,' 4 ' 45,')&=8;*6')838(?' '8 *,(1,' 9' 4A,' 1'
=&)46' 5&4),;3' 8(' 45,' 1846 ' 5,' (,7' 8?( )6 ' 45 2?5'
== (,(43' 9' 45,' ,;818 ' 7,),' &*3 ' ,(,:8,3' 9' &' (&) *&'
:,(' 9' 45,' =&)46' 9' 45,' F'))&A8&48 G' 75 3,' '8 *,(1,' 7&3'
7)456' 9' 45,' (&:,' (,' B8 '&((8' &(&118' 7&3' 45,' (,7'
B (9 * (8,),' &(;' 5,' 4 ?,45,)' 7845' &(45,)' 9' 45,' 8?( )6 '
,(,;,44 ' ;,P ,)*8 ' 7&3' ;,4,):8(,;' 4 ' A4&8(' (' *,33'
45&(' &' 1 (;,:(&48 (' 9' 45,')8&)' 4 ' ;,&45 ' 5,),' 1&(' A,'
(' ; 2A4' 45&4' &(6' &44,:=4' &4' 45&4' 48:,' 4 ' =24' 3215' &'
3,(4,(1,' 8(',O,1248 (' 7 2*;' 5&',' A,,(' &' 38?(&* 9)' 92)8 23'
18'8*' 7&)' 8(' *),(1,' ,4' 84' 7&3' 7845' 45,' 24: 34' ;8998<
12*46' 45&4' 583' 9)8,(;3' ,33,)' (4 (8 ' &(8?8&(8' &(;'
,33,)' &*; ' (?58)&:8' 3211,,;,;' 8(' &*7&63' 3,12)8(?' 45,'
(,1,33&)6' (2:A,)' 9' 9 2)' 9&' 2)&A*,' ' 4,3' 8(' 45,' 8?( )6'
4 '=),',(4' 583' 1 (;,:(&48 (' 9) :' A,8(?' =) (2(1,;' 3'
45,' 8?( )6' 1 (3834,;' 9' (8(,' :J,:A,)3' &(;' &3' (' 1 (<
;,:(&48 (' 4 ' ;,&45' 1 2*;' A,' =) (2(1,;' 7845 24' 45,'
1 (12)),(1,' 9' &' :&H)846' 9' 47 .458);3' 9 2)' ' 4,3' 9'
&1D2844&*' 7,),' 32998 18,(4' 4 ' 3&',' &' :&(
4' :&6',&38*6' A,' 8:&?8(,;' 5 7' 45,' =) * (?&48 (' ;2)8(?'
47 ' : (453' 9' &' 34)2??*,' 3215' &3' 4583 ' 8(' 7581 5' 45,' ,99)43'
9' (,' =&)46' 8(' 45,' 4&4,' 4 ' &11 :=*835' 45,' H2;818&*' :2);,)'
9' 45,' : 34' = =2*&)' :&(' 8(' *),(1,' 7,),' 9 2?54' 99' 7845'
45,' 24: 34' ;899812*46' A6' 583' 9)8,(;3' :234' 5&',' @,=4' 45,'
1846' (' 45,' ',)?,' 9' 42:2*4 ' 4' 7&3' ?,(,)&**6' 9,*4' 45&4' 84'
7&3' 8:= 338A*,' 45&4' 458(?3' 35 2*;' ? ' (' :215' * (?,)'
7845 24' &(' 24A),&@' M &(;' 84' 0&3' ',)6' :215' 9,&),;' 45&4'
3 :,' 4,))8A*,J' 31&(;&*' 7 2*;' 4&@,' =*&1,' (' 11&38 (' 9' 45,'
)8&)P3' =),&158(?' 8(' 45,' 1&45,;)&*' (' 31,(38 (' ;&6'
11);8(?*6' 75,(' 45&4' ;&6' 1&:,' 45,),' '&3' &' ?),&4' ;83<
42)A&(1,' 8(' 45,' 15:.15' &(;' 45),&4,(8(?' 1)8,3' 7,),' 5,&);'
&' (&) *&' &3' B28118&);8(8' ;,1*&),3' A,1&:,' :215'
&*&):,; J' &(;' ?8'8(?' 2=' &**' 8;,&' 9' =),&158(?'),42)(,;

'" ' #4' +6996' 48' +4' >38.' =6>.,' 94' 58*38 (' #1,348' 4,36.14.8' ,5' 4.69
,2' 444' 5' W WF

! WUXY ?2&);,;' A6.'&' (2:,) 23' A ;6' 9'&):,;' 1848>,(3' 4 ' 45,' ('(4' 9' 4' &)@

94,)' 4583' 8(18;,(4' :,(P3' :8(;3' A,1&:,' 9) :' ;&6' 4 ' ;&6' 3&63' B28118&);8(8' :),' &(;' :),' ,O&3=,)&4,;' 2(48*' 8(' 45,' :(45' 9' E2(,' =,' *,O&(;,)' *&2(15,;' &' A2**' 9' ,O1 ::2(81&48 (' &?&8(34' 45,')8&)' 1&23,;' 84' 4 ' A,' =2A< *835,;' 8(' *),(1,' &(;' 4523'),;21,;' 58:' 9)' &' 48:,' 4 ' 38*,(1,' ,' 5&;' A,9),' A,,(' 32:: (,;P4 ' :,' A6' 45,' (4899' 4 ' &(37,)' 1,)4&8(' &1123&48 (3' 9' 5,),481&*=),&158(?' 24' 5,' 5&;' &**,?,;' :),')' *,33' '&*8;' ,O123,3' 9)' (4' A,68(?' 45,' 184&48 (' ' &(;' 4583' 1 (42:&16' 4 ?,45,)' 7845' &(' &1123&48 (' 9' 5,),36' 7&3' 34&4,;' &3J45,' : 48',' 9)' 583' ,O1 ::2(81&48 (' &' (&) *&' A,6,;' 45,' &=&*' A2**' 3 ' 9&)' &3' 4 ' &A34&8(' 9) :' =),&158(?' ;2)8(?' 45,' 9 ** 78(?' : (453'M &(;' &3' 4583' 38*,(1,' 8(' 3 :,' ;,?),,' D28,4,;' 45,' '8 *,(1,' 9' 583' == (,(43' 45,' 1846' 9)' &' 758*,' 3,,:,;' 3 :,75&4' :),' 4)&(D28*

583' *2**' *&34,;' 5 7,',)' A24' &' ',)6' 9,7' : (453')' 8(' 45,' 2?234' 9' 45&4' 3&:,' 6,&)' - N' &' 18)12:34&(1,' 112)),;' 75815' 35 @' 45,' 75 *,' 9&A)81' 9' *),(48(,' 3 18,46' 4 ' 843' 9 2(;&48 (3' 4' 5&;' A,,(' 323=,14,;' 75,(' 8,4) ' 5&;' :&;,' 583' &44,:=4' 4 ' ,(4,)' 45,' 1846' 45&4' 3=)8(?' 45&4' 48P,&3 (&A*,' (,? 48&48 (3' &(;' 1)),3= (;,(1,' 5&;' A,,(' ,&)(,;' (' A,47,,(' 58:' &(;' 1,)4&8(' 9' 45,' 1848>,(3' 75' 7,),' @(7(' 4 ' A,' 9&' 2)&A*,' 4 ' 583'),34)&48 (' 24' 45,' 2(8:=)4&(4' P,32*43' 9' 4*8C' &44,:=4' &(;' 45,' '8 *,(1,' 9' 45,' ;83=24,3'),3=,148(?' 45,')8&)' 75815' 7,),')&?8(?' &4' 45,8)' 58?5,34' &4' 45&4' 48:,' 5&;' 1&23,;' 45,' 9(&44,)' 4 ' A,' =&33,;' ',)' 7845 24' :215' ,O&:8(&48 (' 24' 8(' 2?234' ,33,)')&(1,31' B2&*4,) 448' &'=)8'&4,' 1848>,(' (4' &4' 45&4' 48:,' &' :,:A,)' 9' 45,' ? ',)(:,(4'),1,8',;' &' *,44,)' 9) :' (,' &:A,)4 ' ;,**P (4, &' 75 ' 7&3' 45,(' &4' :,' &(;' 75 ' 5&;' 58:3,*9' A,,(' 3,(4,(1,;' 4 ' ,O8*,' 3 :,' 48:,' =),< '8 23*6' 9)' 5 *;8(?' 1 ::2(81&48 (' 7845' 45,' ,O8*,;' 9&:8*6' (' 4583' *,44,)' &:A,)4 ' ;,1*&),;' 45&4' 89' 5,' 7,),'=) '8;,;

7845' &' 3&9,' 1 (;214' 9) :' 45,' 8?)8)6' 5,' 7 2*;' 1 :,' 4 ' ! WUXY
*),(1,' &(;'),',&* 1,)4&8(' :&44,)3' 4 ' 45,' ? ',)(:,(4'
75815' 84' 58?5*6' 8:=)4,;' 45,:' 4 '@(7 ' 4' 7 2*;' 3,8,:'
45&4' 758*,' &4' :,' 75,),' 8(' 1 (3,D2,(1,' 9' 45,'),38;,(1,'
9' 45,' &);8(&* ;,P ,;818' 8(' 45&4' 1846' : 34' 9' 45,'315,:,3'
&(;' 8(4)8?2,3' 9)' 45,'),34)&48 (' 9' 45,' ,;818' 0,),' 1&))8,;'
(' 4583' &:5,)4 ' 5&'8(?' 45,' 1 (98;,(1,' 9' 45,',O8*,3' 5&;'
:&;,' 58:3,*9' &1D2&8(4,;' 7845' 45,' 3,1),43' 9' 45,'=&)46' &(;'
45,' (& ',:,(43' 9' 45,8)' 9)8,(;3' 8(' *),(1,' (;' (7' 5,'
=2)=3,;' 4 ' 3,** 3215' @(7*,;?,' ' 45,' *),(48(,' ? ',)(<
:,(4',845,)' 9)' =,):8338 (' 4 '),42)(' 4 ' 583' 5 :,')' 38:=*6'
9)' &: (,6' =&6:,(4' 83' 99,)' 7&3' (4' &4' (1,' &11,=4,;'
A24' 84' 7 2*;' 3,,:' 45&4' 3 :,' ',)48:,3' 7,),' :&;,' 7845' &'
'8,7' 9' A&)?&8(8(?' 7845' 58:' 9)' 583' 3,1),4' 3' 48:,' 7,(4'
(' 5 7,',)' &(;' (458(?' 7&3' 1 (1*2;,;' A,47,,(' 45,'
=&)48,3' , P (4,**&' &4' *,(?45' ',(42),;' 4 ' 1 :,' 3 ' 9&)'
4 7&);3' *),(1,' &3' 4 ' =&33' 45,'9) (48,)' 9' 45,' 4,))84)6' 9'
45,' :: (7,&*45' 24' 5,' 5&;' 5&);*6' ; (,' 3 ' A,9),'
45,' 9&14' 7&3' @(7(' 4 ' 45,' 2A8D284 23' ,6,3' 9' 45,' 8?( )6'
5,' 7 2*;.A,' 8(9):,)' 7&3' &4' (1,' &)),34,;' &(;' &' 35)4,)'
:,45 ;' 9' ;,&*8(?' 7845' 58:' &; =4,;' 45&(' 5,' 5&;' &(48<
18=&4,;' ,' 7&3' F4),&4,;' 4 ' &' 4&34,' 9' 45,')&1@ G' J' &(;'
3 (' ;831* 3,;' 3299818,(4' 9&143' 4 ' =24' 45,' 8?( )6' (' 45,'
7&6' 4 ' ;831 ',)' &** 45,6' 7&(4,;' 4 ' @(7 ' 4' 7&3' &31,)<
4&8(,;' 45&4' :&(6' 7,),' 8:=*81&4,;' 8(' 4),&3 (&A*,' 1)),<
3= (;,(1,' 7845' 45,',O8*,;' 9&:8*6' 75 3,' 3 18&* = 3848 (' 7&3'
3215' &(;' 75 3,' 9&:8*6' 1 ((,O8 (3' 7,),' 3 ' = 7,)92*' 45&4'
45,';,&*8(?' 7845' 45,:' 7 2*;' A,' &' ',)6' 3,)8 23' &(;' ;899812*4'
:&44,)' (' 9&14.' :&(;&4,3' 9)' 45,' &)),34' 9' &?),&4' (2:A,)'
9' 1848>,(3' 7,),' 8332,;' &(6' 4 @' &*&):' &(;' &4' (1,'
,31&=,;' I A24' 988',' :,(' &** 9' 58?5' 34&(;8(?' 8(' 45,' 1846 L'
,)(&);' ';,* ,)' 811 *A' 8; *98'),(>')(&A2 (8'
B8&((>>' 2118' &(;' B8 '&((8' &:A8L 7,),' &)),34,;

"' ' +*1,' 96228' %*.6 (' 8=' *4::48394.4' =8;= #1,348' 4,36.14.8' ,5'
4.69 'F+,2' 444' =' W

5,6' 7,),' &**' ,O& : 8(,;' 2(;,)' 4)42),' &(;' 84' 7&3' =) ',;')' 1 (38;,),;' 4 ' A,' =) ',;' 45&4')(&A2 (8' &(;' 2118' 5&;' 7)844,(' 4 ' &(;'),1,8',;' *,44,)3' 9) :' 8,4) ';,P ,;818' ?8'8(?' 58:' 8(9):&48 (' 9' 45,' 34&4,' 9' 458(?3' 8(' 45,' 1846' &(;',(1 2)&?8(?' 58:' 4 ' &44,:=4' &'),34)&48 (' 811 * ' .8; *88' &(;' &:A8' 7,),' 35 7(' 4 ' 5&',' 1 (9,)),;' 7845' 45,:' 7845' &' '8,7' 4 ' 45,' 3&:,' AH,14' (;' ,)(&); ';,*' ,) ' 7&3' 35 7(' 4 ' 5&','),1,8',;' 8(4,**8?,(1,' 9' 45,3,' 315,:,3' 75,(' 5,' 7&3' 8(' 9981,' &3' B (9&* (8,),M A24' 84' ;8;' (4' &==,&)' 45&4' 5,' 5&;' A,,(' 8:=*81&4,;' 8(' &(6' 7&6' A,6 (;' 45&4')' 5&;'4&@,(' &(6' &148',' 34,=3' 8(' 45,' :&44,)' 75&4,',)

11);8(?' 4 ' 45,' 232&*' 1 2)3,' 9' 45,' &;:8(834)&48 (' 9' H23481,' 84' 7&3' 45,' ;246' 9' F45,' 8?54 G' 4 ' 75 :' 45,' ,O,1248',' = 7,)' 7&3' 1 (98;,;' 4 ' H2;?,' &(;' =) (2(1,' 3,(4,(1,' ('45,'=)83 (,)3' 24' 45,3,' :&?834)&4,3'&*&):,;' A6' 45,' 58?5' 3 18&*' &(;' = *8481&*' = 3848 (' 9' 45,' 1)8:8(&*3' 8(34,&;' 9' =) 1,,;8(?' 7845' 45,8)';246' 8(' 45,'),?2*&)' 7&6'),9,)),;' 45,' 1&3,' 4 ' 45,' 8?( )6' 5,' 8?( )6'5 7,',)' &3' *844*,' ;,38) 23' 9' 4&@8(?' 2= (' 843,*9' ';83&?),,&A*,' &' ;246'),=*8,;' 45&4' 45,' *&7'(,845,)')D28),;' ( )' &245)83,;' 45,:' 4 ' 8(4,)9,),' 7845' 45,' 1 2)3,' 9' 1)8:8(&*' H23481,M L' 45&4' 84' 7&3' ('45,' 1 (4)&)6' 45,'=*&8(';246' 9' F45,' 8?54' G' 4 ' &14' 8('45,' :&44,)' P ,',)45,*,33' 8('1 (38;,)&48 (' 9' 45,' 8:=)4&(1,' &(;';899812*46' 9' 45,' 1&3,' 47,*',' 45,)' 1848>,(3' 7,),' &== 8(4,;' 4 ' &33834' 45,' 8?54' 8(' =,)9):8(?' 45,8)' ;246

:,' 9' 45,' 5834)8&(3J' 3=,&@' 9' 9),35'),',*&48 (3' A< 4&8(,;' A6' 4583' A ;6' 9' 47,(46' 9) :' 45,' 8(9):,)' ,**P (4,**&' 35 78(?' 45,' ,O834,(1,' 9' &' (,7'=* 4' 9)' 45,'),< 34)&48 (' 9' 45,' ,;818' &' 315,:,' 9)' &(45,)' &44,:=4' 4 ' A,' :&;,' 8(' 45,' :8;;*,' 9' 45&4' :(45' 9' 2?234' (;' 45,3,' ;831 ',)8,3' 3,,:' 4 ' 5&',' 1&23,;' &'=&) O63:' 9' &*&):

! XY 45,6' 5&;' ? ;' 5 =,' 45&4' 84' :8?54' A,' (,' 3299818,(4*6' 9)8,(;*6'4 ',(32),'45,8)',31&=,

0 5&4,',)' :8?54' A,' 45,'4,:=,)'&(;' ;83= 3848 (' 9' 4583' ',)6''5,4,) ?,(, 23' A &);' 4523' 1 :=3,;' 45,'=)83 (,)3' 5 =,;' (4' 2(),&3 (&A*6' 45&4' 84' 7 2*;' A,' = 338A*,'4 ' 8(< ' *',' 3215' &' A ;6' 8(' * (?' &(;' =,)5&=3' 42:2*42 23' ;8312338 (3' 75815' :8?54' A,' :&;,' 45,' :,&(3' 9' 48;8(?' ',)' 45,'),:&8(8(?' ;&63' 9' 45,' 99818&*' *89,' 9' 45,' =),3,(4' 8?( )6' 24')&(1,31' &*)8' 7&3' 45,), L (,' 9' 45,' (,7' A &); L C)&(1,31' &*)8' 75' 7&3' 45,' 1* 3,' 9)8,(;' &(;' ;8318=*,' 9' &' (&) *&' 75' 7&3' 45,'&' 7,;' 5,&;' 9' 45,')&4,3158' &(;'45,'= =2*&)'=&)46' 75' 7&3' &**.= 7,)92*' 7845' 45,' :2*4842;,'&(;' 75' 7 2*;' A,'2(D2,348 (&A*6' 45,' 9),: 34' :&(' 8(' 45,' 1846' 89' ,)(&); ' ;,*' ,) ' 45,' &' 7,;'*,&;,)' 9'45,' == 3848 (' =&)46' 7,),'),: ',;

B28118&);8(8J' &(&*63,3' 1&),92**6' 45,'1 :=(,(4' =&)43' 9' 4583' A ;6' 9' (,&)*6' 47' 52(;),;' :,(' 15 3,(' 9)' 4583' 3 *,:('H2;818&*' 9981,'7845 24' 45,'3:&**,34',',(' =),4,(;,;'),9,),(1,'4' &(6' 1&=&A8*846')',',(' 984(,33' A6'),&3 (' 9' 32== 3,;' 8:=&)48&*846' 9)' 3215' &' ;246' (;' 5,' 35 73' 45,' ;899,),(4' : 48',3' 75815' *,;' 45,' ;899,),(4' 3,148 (3' 9' 4583' 3' 34)&(?,*6.1 (348424,;'H2;818&*' A ;6'4' *,&('4 7&);3' &' :)')' *,33' 9&' 2)&A*,' ;,1838 (' 0,' ;' (4' 98(;' 8(' 4583'),:&)@&A*,'34&4,:,(4' 45,' 3*8?54,34' 4)&1,' 9' &(' &44,:=4' 4' 1 (38;,)'45,' :&44,)'H2;818&**6')'&(6'),9,),(1,' 75&4,',)'4' 45,'*&7' 9'45,'1&3,')'4' 45,','8;,(1,' 9'?28*4' 5,' 3:&**' &(;'9,,A*,'&44,:=43' 75815'7,),' :&;,'A6'3 :,' 9' 45,' :,:A,)3' 9' 45,'A &);' 4' 3&',' 45,' &1123,;' :,(' =) 1,,;,;' ,(48),*6' 9) :' =,)3 (&*' 9,,*8(?3' 9'),?&);')' 9)8,(;358=' 5,' :215' :),' ?,(,)&*' ;,4,):8(&48 (' 4' =24' 45,'=)83 (,)3'4' ;,&45'7&3'2)?,;' A6'1 (38;,)&48 (3' 75815' 7845 24' ,',(' &(6' ;,1,(4' ',8*' 9' =),4,(1,'34&:=' 45,' ;,18< 38 (' 7845'45,' : 34'),' *48(?'1549)&14,)' 9'H2;818&*' :2);,)

24' 84' : 234' (4' A,' 32== 3, ;' 45&4' 45,3,' &),' 45,'),.' 9*,148 (3' 9' 45,' 38O4, ,(45.1,(42)6' 34&4,3 : &(' 5,3,' &),' 45,' 45 2?543' 7581 5' : 8?54' 112)' 4 ' (8(,4, ,(45.1,(4 : 6' J ')84,)3' &(;'),&; ,)3' B28118&);8(8' : 34' ;83=&338 (&4,*6' &(;' *218;*6' = 8(43' 24' 45,' ;899,),(4' 9,&)3' &(;' 5&4),;3' 45&4' =) ;21,;' 45,' ;,4,) : 8(&48 (' 4 ' 4&@,' 45,' *8',3' 9' 45,3,' : ,(' &==,&)8(?' 4 ' 1 (38;,)' 45,' =,)&48 (' 9' 3215' 1&23,3' 4 ' 3215' &(' ,(;' =,)9,14*6' (&42)&*' &(;' ( )4(&*

5,' ;,A&4,3' 8(' 4583' H2;818&*' 1 2(18*' 7,),' ,O1, ,;8(?*6' 34 H.)&6' 5,),' 1 2*;' A,' (' ; 2A4' 45&4' 45,' ?),&4' : &H)846' 9'45 3,' =),3,(4' 7,),' ' ;,38) 23' 9'1 (;, : (8(?' 45,' =)83 (,)3' 4 ;,&45' 24' 84' 7&3' (4'8 : = 338A*,' 4 ' 1&23,' 45,' : ;,' 9' ' 48(?' &; =4,;' 4 ' A,' 3215' &3' : 8?54' 45) 7' 3 : ,' ; 2A4' (' 45,' ;,1838 (' 9' 45,' 75 *,' A ;6 ')' : 8?54' =,)5&=3' 52))6' 45,' ;,*8A,)&48 (' 4 ' &(' ,(;' 8(' 42 : 2*4' 7845 24' =) (2(18(?' &(6'),3 *248 (' 4'5&3' A, ,(' ,O=*&8(,;' 45&4' 45,' &33, : A*6' 9' (,&)*6' 47 ' 52(;),;' H2;?,3' 75 ' 7,),' 1&**,;' 2= (' 4 ' =) (2(1,' 3,(4,(1,' 7&3' 1 : = 3,;' 9' '&)8 23' 1 (348424,;' A &);3' 9' : &?834)&16')' 99*18&*' A ;8,3' 5,' 8?( )6' 45,),9),' ;8),14,;' 45&4' ,&15' 9' 45,3,' 35 2*;' ;,A&4,' 45,' : &44,)' 3,=&)&4,*6' &: (?' 45, : 3,*',3' &(;' 35 2*;' 45,(' ;,1*&),' 45,' ;,1838 (' 4 ' 75815' 45,6' 5&;' 1 : ,' 583' : ;,' 9' =,)&48 (' ;831 (1,)4,;' ',)6' : &4,)8&**6' 45,' =*&(3' 9' 45,' =)83 (,)3P ;,9,(;,)3M &(;' 45,'),32*4' '&3 &(' &*: 34' 8 : : ,.' ;8&4,' 3,(4,(1,' 9' 1 (;, : (&48 (' 583' 7&3' 7)3,' 45&(' 45,' 9)8,(;3' 9' 45,' &1123,;' 5&;' ,O=,14,;M &(;' 45,8)' ;,9,(;,)3' 7,),' 9)' 3 : ,' : 8(24,3' 3 ' 4&@,(' &A&1@' A6' 84' 45&4' 45,6' 3,, : ,;' 4 ' 5&',' * 34' &**' 5 =,' 24' 348**' 45,' 1 (318 23(,33' 45&4' 45,6' 5&;' 9 2)' 3&9,' 9&' 2)&A*,' ' 4,3' 8(' 45,' 8?( )6' ,(1 : &?,;' 45, :' 4 ' 4)6' 6,4' (1,' &?&8(' 4 ' 8(;21,' 45,' &33, : A*6' 4 ' 4&@,' &' *8(,' 7;8815' : 8?54'),32*4' &94,)' &**' 8(' 45) 78(?' 45,' : &44,)' A&1@' &?&8(' 8(4 ' 45,' 5&(;3' 9' 45&4' A ;6

5,6' =) 4,34,;' * 2;*6' &?&8(34' 45,' : ,45 ;' 9' ' 48(?' 78(15' 5&;' A, ,(' &; =4,; : &8(4&8(8(?' 45&4' 45,'),&*' 3,(3,

W [# ' ' ' ' '

WUXY 9 45,' &33, : A*6 1 2*;' A,' 4&@,(' (*6 A6),1);8(?' 45,' 3,=&)&4,' ' 4,' 9 ,&15 8(;8'8;2&* : , : A,)' 5,6 5 =,;' 45&4 =,)3 (&* 48 : 8;846' &(;' ,',(' 45,' &7@7&);(,33 9 ,O=),338 (' &(;' 356(,33' 9 : ,(' 2(&11234 : ,;' 4 ' 3=,&@ A,9),' 3215 &(' &2;8,(1,' : 8?54 A,' 42)(,;' 4 ' &' : ,&(3 9 45) 78(?' ; 2A4 2= (' 45,' ' 4,3' &(;'4523' &4 & ',',(43' 45,' =),3,(4 38448(?' : 8?54 A,' ? 4 ',)' 7845 24 &9&4&* ;,1838 (' 5&'8(?' A,,('),&15,;' 24' &3 5&3 A,,(' 3&8; L &(-' &3 45,' &(O8 23 =)83 (,)3 &(;' 45,8)' 9)8,(;3 3&8;' 94,(' ,(2?5 4 ' ,&15 45,) L)&(1,31 ' &*)8 7&3 45,),' (;' 5,' 7 2*;' A,' 45,' : 34 = 7,)92* : &(' 8(' *),(1,' 75,(' ,)(&);' ';,* ,)' 35 2*;' A,' ;,1&=84&4,;' &*)8 3&7' &(;' 2(;,)34 ;' &4 (1,' 45,' 8(4,(48 (3 9 45,' 9)8,(;3 9 45,' =)83 (,)3 H &(;' &4 45,' 3&:,' : : ,(4 3&7 45,' : ,&(3 9 ;,9,&48(?' 84' ,' 34,==,;' 2=' D281@*6 4 ' 45,' 4&A*,' 9 45,' 8?( )6 ' &(;' 3&68(?' 8(' &' ' 81,' * 2;' ,(2?5 4 ' A,' 5,&);' A6 &** =),3,(4 ' &(;' 8(' 45,' 9,7,34 &(;' 38 : =*,34 = 338A*,' 7);3' 45&4 5,' H2;?,;' 45,' &1123,;' 7)456 9 ;,&45 '),D28),;' 45&4 4 ' A,'),?834,),,;' &3 583 ' 4,' (;' 45,'),34 9 45,' &33, : A*6 ' 7845 ' ,)6 9,7' ,O1,=48 (3 ' 9 ** 78(?' 45,8)' *,&;,)' *8@,' 35,,=' ',)' &' 5,;?,' 34,==,;' 2=' (,' &94,)' &(45,)' 4 ' 45,' 4&A*,' &(;' ' 4,;' 8(' 45,' 3&:,' 9):' 9 7);3

(;' 45,(' 8(;,,;' 84 3,,:,;' &3 89 45,' *&34 5 =,' 9 3&'8(?' 45,' *8',3 9 45,' =)83 (,)3 7&3 * 34' 24 6,4 45,),' 7&3 (,' 45,)' 15&(1,' '),1,(4 *&7 ' =&33,;' &4 45,' 8(34&(1,' 9 &' (:P *& L C=&33,;' 45,),9),' A6 45,' =&)46 75 ' 7,),' (7' 2)?8(?' 45,' 1 (;,:(&48 (' 9 45,3,' =&)483&(3 9 45,' ,;818 L ,(&14,;' 45&4 9) :' ,',)6 1&=84&* 3,(4,(1,' &(' &==,&* 35 2*;' *8,' 4 ' 45,' B),&4 2(18*' 583 *&7 ' 45,),< 9),' 7&3 8(' @,;' &(;' &(' &==,&* ;,:&(;,;' (;' 9 1 2)3,'84 7&3 8:= 338A*,' 9)' &(6 :&(' 4 ' 3&6 75&4 :8?54 A,' 45,'),32*4 9 4&@8(?' 45,' ' 4,3 9 3 ' *&)?,' &(;' :8O,;' &' A ;6 (' 3215 &' D2,348 (

5,' D2,348 (' 75,45,)' 45,' &==,&* 35 2*;' A,' &** 7,;')' (4 7&3 &4 (1,'),9,)),;' 4 ' 45,' 8?( )6M 9 2)' 9 75 :

9 4) =3 7,),' A,8(?' ?&45,),;' 8(' :&?(&' 8'845' 4583' '8,7

' 4583' &;;8(?' 4,)))''4 ' 45,' ,(:846' 75815' &5,&;6' &(8:&4,;' 45,' :8(;3 9' A6' 9&)' 45,' ?),&4,)' (2:A,)' 9' 45,' H2;818&*' &33,:A*6' =) ;21,;' &' 32;;,(' ;,4,):8(&48 (' 4 ' 5&',' 45,' =)83 (,)3' 1 (;,:(,;' &(;',O,124,;' 24' 9' 5&(;' (1,' &?&8(' 45,' '&)8 23' 3,148 (3' 9' 45,' H2;818&*' A ;6'),48),;' 4 ' 45,8)' 3,=&)&4,' A,(15,3' 8(' ;899,),(4' =&)43' 9' 45,' 5&M &(;' 4583' 48:,' 45,' 3= @,3:&(' 9' ,&15' 9' 45,:' &148(?' 45,' =&)4' 9' 45,' 9),:&(' 9' &' H2)6' &3' 7,' 35 2*;' 3&6' ;,1*&),;' &* 2;' 45,' ',);814' 9' ,&15' A ;6' ' 7,),' 9)' 1 (;,:(&48 (' &(;' 1&=84&*' =2(835:,(4' &(;' 45,'),923&*' 9' 45,' &==,&*' 4 ' 45,' B),&4' 2(18*' 5,6' ;8;' (4' 5 7,',)' 34)814*6'*8:84' 45,:3,*',3' 4 ' 4583' ;,1*&)&48 (' A24' F' : 48',;'G' 84' :),')'*,33' &4'*,(?45' 5,' ; 14)3' 9'*&7' 75 ' 9):,;' (,' 9' 45,' 3,148 (3' ;,1*&),;' A6' 45,8)' 9),:&(' 45&4' 45,' ;&(?,)' 9J' 45,' 4&4,' H234898,;' 45,'),923&*' 9' 45,')8?54' 9' &==,&*M A24' 45&4' 89' 84' 7,),' ?)&(4,;' 84' 35 2*;' &4' &**' ,',(43' A,' :&;,' &(;' 45,' :&44,)' 98(&**6' ;,18;,;' (' 45,' :)) 7 F' 5,' 8?54 G' 75 ' 2?54' &11);8(?' 4 ' 45,' 1 (3484248 (' 4 ' 5&',' ; (,' &* (,' 75&4' 4583' *&)?,' :8O,;' A ;6' 7&3' 4523' &44,:=48(?' 4 ' ; ' 3&8;' A6' 45,8)' 9),:&(' 45&4' 45,' &==,&*' :234' &A3 *24,*6' A,'),923,;M 9)' 45&4' 89' =,)15&(1,' &'),<',)3&*' 9' 45,' 3,(4,(1,' 35 2*;' A,' A4&8(,;' 9) :' 45,' B),&4' 2(18*' 84' 7 2*;' 1&23,' 18'8*' 7&) K&(;' 45,' 244,)')28(' 9' 45,' 1846' 5,'=)8'&4,' 1848>,(3' 5 *;8(?' (' H2;818&*' 9981,' 75 ' 5&;' A,,(' &;;,;' 4 ' 45,' &33,:A*6' &(;' 75 ' 9):,;' 47,*',' ;899,),(4' 3,148 (3')' 3,=&)&4,' H2)8,3' 1 (98(,;' 45,:3,*',3' 4 ' 3&68(?' 12)4*6' F' 5,' ,O,1248 (' 9' 45,' 3,(4,(1,' &(;' 45&4' 9)45 7845QG

24' ,',)6' (,' 9' 45,' 3= @,3:,(')' 9),:,(' 8(' ?8'8(?' 8(' 45,3,' ',);8143' 4 ' 45,' 8?( )6' &;;,;' 45,' 1234 :&)6' 9):2*&' 1 (3,1)&4,;' A6' 45,' 23&?,' 9' :&(6' ?,(,)&48 (3' (' 11&<38 (3' 75,(' &(6' A ;8,3' 9' 45,' 1848>,(3' 7,),' &;:844,;' 4 ' 1 (32*4&48 (' 7845' 45,' 8?( )6 L F' ,',)45,*,33' 7,' 35&**

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24‘ 84‘ 7&3‘ ‘,)6‘ 3 (‘ A24‘ 4 ‘ 1*,&)‘ 45&4‘ (458(?‘ 7&3‘ 4 ‘ A,‘ 5 =, ;‘ 9) :‘ 4583‘ *&34‘ 45,&4)81&*‘)D? 2)1,‘ 9‘ &‘ *),(48(,‘ 1 2(3,* 9)‘ 45,‘ =)83 (,)3‘ I ‘ 9&)‘ 9) :‘ &(6‘ , : 48 (‘ 9‘ I=846‘ A,8(?‘ &7&@,(,;‘ 8(‘ 45,‘ &33, : A*6‘ 84‘ 7&3‘ 7845‘ ;899812*46‘ 45&4‘ 45,‘ : , : A,)3‘ 1 2*;‘ 3 ‘ 9&)‘ 1 : :&(;‘ 45,8)‘ 5&4),;‘ 9‘ 45,3,‘ 1 ('814,;‘ 9)8,(;3‘ 9‘ 45,‘ ^;818‘ &3‘ 4 ‘ @,,=‘ 45,88J 4 (?2,3‘ &(;‘ 45,8)‘ 5&(;3‘ 9) :‘ 8(32*48(?‘ 45, :

‘ 45,‘ ; :‘ 7&3‘ =) (2(1,;M‘ &(;‘ 45,‘ 98',‘ 12*=)843‘ 7,),‘ 4&@,(‘ &7&6‘ 4 ‘ 2(;,)? ‘ 84‘ 7845‘ ',)6‘ A)8,9‘ 3=&1,‘ 9‘ 48 : ,‘ 9)‘ =),=&)&48 (

)&(1,31 ‘ &*)8‘ 5 : .)8,;‘ 9) :‘ 45,‘ 5&**‘ 9‘ &33, : A*6‘ 4 ‘ 3,,‘ 4 ‘ 45,‘ = 348(?‘ 9‘ &(‘ &) : ,;‘ 9)1,‘ 8(‘ 3215‘ 3)4‘ &3‘ 35 2*;‘ A'8&4,‘ &(6‘ ;&(?,)3‘ 9‘ &‘),312,‘ 5,‘ 1846‘ 1 (48(2,;‘ 8(‘ &‘ 34&4,‘ 9‘ ?),&4‘ &?84&48 (‘ &(;‘ ?),&4‘ (2 : A,)3‘ 9‘ &**‘)&(@3‘ 1) 7;,;‘ 4 ‘ 3298A 1&48 (‘ 45,‘ 1 2)4‘ 9‘ 45,‘ F‘ &)?,** G‘ 4 ‘ 784(`33‘ 45,‘ ,O,1248 (‘ 9‘ 45,‘ 3,(4,(1,‘ 4‘ 7&3‘ 45),,‘ 5 2)3‘ &94,)‘ 32(3,4‘ &3‘ 5&3‘ A,,(‘ 3&8;‘ A,9),‘ &*)8‘ 3211,,;,;‘ 8(‘ 9)18(?‘ &‘ ' 4,‘ 9‘ 1 (;,:(&48 (‘ 9) :‘ 45,‘ 8?( )6‘ (;‘ &4‘ 3,',(‘ 5 2)3‘ &94,)‘ 32(3,4‘ 45,‘) &)‘ 9‘ 45,‘ 1) 7;‘ &4‘ 45,‘ &)?,**‘ 7&3‘ 5235,;‘ &3‘ 45,‘ =)83 (,)3‘ 7,),‘ *,;‘ (,‘ A6‘ (,‘ 4 ‘ 45,‘ A* 1@‘ 8(‘ 45,‘ 1,(4),‘ 9‘ 45&4‘ ?* : 6‘ 1 2)4< 6&);‘ 75,),‘ 3 ‘ :215‘ 9‘ 45,‘ A,34‘ A* ;‘ 9‘ *),(1,‘ 5&;‘ A,,(‘ 35,;‘ &(;‘ 75,),‘ 3 ‘ :215‘ :),‘ 7&3‘ 6,4‘ 4 ‘ A,‘ 3=8**,;

(;‘ 9‘ &**‘ 45,‘ 52(?)6‘ ,6,3‘ 45&4‘ ?),,;8*6‘ :&)@,;‘ 45,‘ 9&**8(?‘ 9‘ 45 3,‘ 5,&;3‘ 45,),‘ 7&3‘ =) A&A*6‘ (4‘ (,‘ 45&4‘ 7&3‘ (4‘ 3&'&?,‘ 7845‘ 45,‘),:,:A)&(1,‘ 9‘ 3 :,‘),*&486,‘ 38 : 8*&)*6‘ ; (,‘ 4 ‘ ;,&45‘ ?,(,)&48 (3‘ &? ‘ =,)5&=3‘ A6‘ 45,‘ ;,,;‘)‘ A6‘ 45,‘ 1 ((8'&(1,‘ 9‘ 3 :,‘ 1 ((,148 (‘ 9‘ 45,‘ 3299,),)‘ 9‘ 45&4‘ ;&6‘ (;‘ 9‘ 45 3,‘ 75‘ ?&>,;‘ (‘ 45,‘ ;,&453‘ 9‘ 45,3,‘ :,(‘ 7845‘ 45,)‘ 9,,*8(?3‘ 45,),‘ 7&3‘ 7845< 24‘ ; 2A4‘ (4‘ (,‘ 75‘ 7&3‘ (4‘ * @8(?‘ 9)7&);‘ 7845‘ A844,)‘ ,&?,)(,33‘ 4 ‘ 45,‘ 48 : ,‘ 75,(‘ 45,‘ 4&A*,3‘ 35 2*;‘ A,‘ 42)(,;‘ &(;‘ 45,3,‘ '8148 : 3‘ A,‘ &',(?,;‘ A6‘ 45,)3‘ (;‘ 4523‘ 45,‘ *,?&16‘ 9‘ =&)46‘ &(;‘ 9& : 8*6‘ 5&4),;3‘ 7&3

;)M L 45&4‘ 84‘ 7&3‘ =,)9,14*6‘ &(;‘ 8(;2A84&A*6‘ 7845 8(‘ 583‘ = 7,)‘ 4 ‘ 5&',‘ 3&',;I‘45,‘ *8',3‘ 9‘ 45 3,‘ 98',‘ :,(‘ A6‘ &‘ 48:,*6‘,O,)48 (‘ 9‘ 583‘ 8(9*2,(1,‘89‘ 5,‘5&;‘ 78**,;‘4 ‘ ; ‘ 3 M L &(;‘45&4‘45,‘4&@8(?‘ 99‘ 9‘ ,)(&); ‘ ;,* ,) ‘ 7&3‘ 4 ‘45,‘ 92** &3‘ ;,38)&A*,‘ &(;‘ (,1,33&)6‘4 ‘ 58:‘ &3‘ 84‘ 7&3‘ 4 ‘ 583‘ ;8318=*,‘ &*)8 WUXY

24‘ 45,3,‘ 7,),‘ (4‘ ;&63‘ 75,(‘84‘ 7&3‘,O=,14,;‘ A6‘&(6‘ 45&4‘,845,)‘1*,)@‘)‘*&6:&(‘&)834 1)&4‘)‘ ;, : 1)&4‘=) =5,4‘)‘ =) 9*8?&4,‘35 2*;‘ 3=&),‘ 45,‘*89,‘ 9‘&(‘ ,(,:6‘ 75,(‘ 84‘ 7&3‘ 7845 8(‘583‘ = 7,)‘4 ‘ ,(32),‘45,‘ ;,&45‘ 9‘58:

(;‘ 3 ‘ FH23481,‘ 7&3‘ ; (,G‘8(‘ *),(1,‘ &(;‘ 45,‘ ;)&? (P3‘4,,45‘7,),‘3 7(

5,' F)&4,3 A8G' 8(' 45,' &31, (;&(4 L &' (&) *&' A,?8(3' 4 ' * 3,' ?) 2(;' 8(' 45,' 1846 L 5,' 2(4, (&A*, (,33' 9' 583' = 3848 (' &3' &' &45 *81 L) : &48 (' 9' 45,' 1 : =&(6' 9' 45,' F' : =&?(&118G L ;, 88(8' &(;' 583' 3 (L 99)43' 9' 45,' 8?( )6' 4 ' 8(;21,' 45,' =,' 4 ' 7845;)&7' 583' ,O1 : : 2(81&48 (L' &' (&) *&' &94,)' 38O' : (453P 38*, (1,' ; ,4,) : 8(,3' 4 ' =),&15' 8(' ; ,98&(1,' 9' 45,' ,O1 : : 2(81&48 (LC) 58A848 (' 9' 45,' &)15A835 = L ,1838 ',' &148 (' 9' 45,' 8?( )6' 8(' &' (&) *&P3' 9&' 2) L &' (&) *&P3' &)?2 : ,(43' 8(' H2348981&48 (' 9' 583' ;83 A, ;8, (1,' 4 ' &=&* &245)846 L 248*846' 9' 45, : L' 83' =) =5,18,3 L D28' 1&* ,O=*&(&48 (' 9' 45,' ((.92*98* : , (4' 9' 45, : L' 5,' & : 2(4' 9' A,*8,9' 5,' 5&;' 8(' 583' =) =5,481&* ?894 L ,1 (;' A2)(8(?' 9' / / 45,' ' &(848, 3G L 83&==) ' , ;' A6' &' *&)?,' =&)46' 8('45,' 1846 L 99, 14' =) < ;21, ;' A6' &' (&) *&' ('45,' 7)*;' &4' *&)?, L ,&)' &; ; , ;' 4 ' 45,' &(?,)' 9' 45,' =, L ,? 48&48 (3' 9' 45,' 8?( )6' 7845' 45,' =, L *), (48(,' ; ,4,) : 8(&48 (' (4' 4 ' ?8 ',' 2=' &' (&) *&' 4 ' A,' H2 ; ?, ;' &4' : , L' &' (&) *&' =) 58A84, ;' 9) :' =), &158(?' 8(' 45,' 1&45, ;)&* L 5,' &(?,)' 9' 45,' =,' &?&8(34' 45,' 8?( )6 L &8(92*= 3848 (' 9' 45,' *), (48(,' , (' 63' &4' : , L &' (&) *&' =) 58A84, ;' 9) :' =), &158(?' &4' &** L 83' , (; ,&' 2)3' 4 ' 1&23,' 45,' 1&**8(?' 9' &' 1 2(18*' 9' 45,' 52)15 L 83' : ,33, (?,)' 4 ')&(1,' &)), 34, ;' 8(' 8*&('M &(;' 583' *, 44,)3' 3, (4J 4 ' 45,' =, L &?,' 9' 45,' *&44,) L (: 846' 9' 45,')&(1831&(3' 4 ' &' (&) *& L 5&**, (?,' 4 ' 45,') ; ,&* A6' 98), L)& : , (81 L 5,' 45), ,' "' 9' &' (&) *& L 5,') ; ,&* A6' 98), ' =) : 4, ;' A6 45,' F' : =&?(&118G L 5,8)' : 48 ',3 L 8998< 12*46' 8(' A)8(?8(?' 45,')&(1831&(3' 4 ' 45,' = 8(4 L)&' B82*8&(' (; 8(, **8' 1 (3, (43' 4 ' A,' 45,' 15& : =8 (' ('45,' =&)4' 9' 45,')&(1831&(3 L 5,' 1 (< ;214' 9' &' (&) *&' 7845'), ?&) ;' 4 ' 45,') ; ,&* L 9' 45,' 8?( )6 L ' 9, 7K' 3&(,' : , (' 34)8 ',' 4 ' =), ', (4' 45,') ; ,&* L F 8&?((8G' &(O8 23' 9)' 84 L' &' (&) *&P3' '&18**&48 (' ('45,' 32AH, 14 L , ', (45' 9' =)8*' 98(&**6' &=< = 8(4, ;' 9)' 45,') ; ,&* L C))&(?, : , (43' 9)' 84' 8(' 45,' 8&>>& L 1, (,' 8(' 45,' 8&>>&' ('45,' :)(8(?' 9' 45,' , ', (45 L 5,' =8*, L ,)?8 ',)3&48 (' 9' 45,')&(1831&(3 L : =&48, (1,' 9' 45,' =, =*,' &33, : A*, ;' 8(' 45,' 8&>>&' L 8342)A&(1,' 8(' 45,' 8&>>& L &)12,18 ' &*' 8&48 L ,4,) : 8(&48 (' 9' 45,' = =2*&1,' 4 ' &7&84' 45,' 3=, 14&1*,' 9' 45,') ; ,&* L 15 *&3481' ; 8312338 (' A,47, , (' 45,' : 8(81&(3' &(;')&(1831&(3 L 5,' 8?( )6' 9)A8;' =) < 1, , ;8(?' 7845' 45,') ; ,&* L 83&== 8(4 : , (4' &(;' &(?,)' 9' 45,' =, =*, L' (H23481,' 4 7&) ;3' &' (&) *& L ,=) & 5,3' : &; ,' 4 ' 58 :' A6' 583' 7(' =&)46 L 83' 52 : 8*8&48 (L ,42) ('4 ' 45,' 1 (', (4

' 45,' ;)&? (P3' 4, ,45' 7 ,),' 3 7 (' 8(' 3 8*' 9&)' 4 ' 9&' 2)< 8
&A*,' 9)' 3215' 3, , ; ' 9)' &(6' * (?' 48 : ,' 4 ' ,*&=3,' A,9),' &(' - N
&A2(;&(4' 1) =' A,?&(' 4 ' 3=)8(?' 2=' 9) :' 45, : ')' 45,'
: : , (4' 45,' '8 *, (4' A* 7'8(9*814, ;' (' 45,' =&)48,3' &; ' ,)3,'4 '
&' (&) *&' A6' 45,' ,O,1248 (' 9' 45,' 98' ,' 1848>, (3' &(;' ,3=,<
18&**6' 9' ,)(&); ' ; ,*' ,) ' : &; ,'45,'9&148 (' 9' 45,')&4,3.'
158' &*' = 7 ,)92*' 8(' *), (1, ' (' 45,' , (328(?' 380' : (453'
45), ,' 8?( )8,3' 7 ,), ' 15 3, (' 75 **6' ; , ' 4, ;' 4 ' 45&4' =&)46'
, ',)45,*,33 .' &(' &124, ' A3,)' ,)' 9' 45,' 48 : ,3' &(;' 9' 45,'
3 18&*' 12)), (43' : 8?54' 5&' ,' 3, , (' &*), &; 6' 45&4' &' (&) *&'
7&3' 4 ' &' 1,)4&8(' ; , ?), , ' * 38(?' 583' 5 *;' (' 45,' = =2*&)'
: 8(;' M &(;' &(' &; , =4' 8(' 45,' 8(4,)=), 4&48 (' 9' 3215' 38?(3' 9'
45,' 48 : ,3' : 8?54' 5&' ,' =), ; 814, ; ' 7845 24' , (4,)8(?'8(4 ')8' &*)6'
7845' 45,' =) =5,481&*' 1*&8 : 3' 9' 45,')8&)' 45&4' 45,' 48 : ,' 7&3'
(4' 9&)' ;834&(4' 75, (' 5,' : 8?54' 5&=*6'), &15' 45,' 3& : ,')' &'
7)3,' =j33' 45&(' 45&4' 4 ' 75815' 583' , (, : 8, 3' 5&;' A, , ('), ; 21, ;

,' 7&3' 2(; ,)' 3, (4, (1,' 9' , O1 : : 2(81&48 (' (' '&8(' 5,' *&A 2), ;' 4 ' 35 7 ' 7 ;45' &*' 45,' *,&)(8(?' &(;' ,* D2, (1,' 45&4' 1 2*;' A,' A) 2?54' 4 ' A,&)' (' 45,' 32AH, 14 J' 45&4' 5,' 7&3' (4' A 2(;' 4 ' 68, *;' A, ;8, (1,' 4 ' 45,' 7) (?92*' &(;' 2(H234' I1, (32), 3' &(;' 1 : : &(;3' 9' &(' 8(9& : 23*6' 781@, ;' =, ' (;' 8(' '&8(') 9, 33)' 8**&)8' &44, : =43' 4 '), 1 (18*,' 583' ;83< A, ;8, (1,' 7 845' =2)846' 9' &45 *8183 : ' 5,' ;899812*46' 83' &(' *;' (, ' &(;' 1 (34&(4*6'), 12))8(?' 9' 1 2)3, ' 84' 7&3' &' =)4, (4 23' &(;' &*4 ?, 45,)' : (34) 23' 458(?' 45&4' 3215' &' : &2' &3' *, O&(; ,)' ' 35 2*;'/ 5 *;' 3=8)842&*' &245)846' &(;' 1 (4) *' ',)' 3215' &' : &(' &3' &' (&) *&')4, (4 23' 8(; , , ;' Q &(;' 75&4' 3215' =)4, (43' =)4, (;' 83' (7' &4' *&34' A, ?8((8(?' 4 ' A, ' 8(4, **8?8A*, '4 ' : 34' : , (' 24' 45,' (*6' 7&6' 24' 9' 45,' ' ; ; " ' ;899812*46' 8(' 75815' &' (&) *&' &(;' 583')45 ; O' ; , 9, (; ,)3' 9 2(;' &(;' 98(;' 45, : 3, *' , 3' 83' A6' 45) 78(?' ; 7(' 45,' 7&**3' 75815' 9) : , ;' 45,' ; ; " # 9' 84

C$ ' ' B W[

*8,14)8(?' &(;' 8(48 : 8;&48 (' ',)6' A ;6' 3&63' 4A,' 5834 <
)8&(' *8',;' 8(' 9,&)' 9' 45,3,' '8 *,(4') 634,)8(?' F1 :<
=&(8 (3'MG' 3 ' :215'3 '45&4',',('3 A,)'34,&;6.? 8(?' & * '
(4 (8 ' ;&)8(8' 58 : 3,*9'&'(4,;'&(;'',5, : ,(4' 8&?((,'
1&23,;' 583' 3 (' :8(&3 ' 4 ' A,1 : ,' &' : , : A,)' 9' 45,8)'
A ;6' &3' &' 783,' : ,&328P,' 9' =),1&248 ('8(');,)' 45&4' 89'
458(?3' 3 ' 42)(,;' 24' &3' 4 ' : &@,'84' ;,35&A*,' 5,' :8?54' 8('
45,'5 2)' 9'(,,;'98(;'45,'&;'&(4&?,' 9'5&'8(?' :&;,'9)8,(;3'
7845' 45,' &: : (' 9' 2()8?54, 23(,33M 758*,' &4' 45,' 3&: ,'
48 : ,' 7)456' ; 21,' :&('5,'1 (32*4,;'45,'=)8'&4,'8(4,),343'
9'583' 7('3 2*'A6'8(;2*?8(?'583'=8,483481'*,&(8(?3'8('9&' 2)'
9'45,')8&)' **'45834 48 : ,' :), ',)'(458(?'5&;'A,,(' ; (,'
4 7&);3' 45,'),1 ',)6' 9' 83&M ( )' 7,),' 45,'=) 3=,143' 9'
45,' : : (7,&*45'15,,)8(?'8('45&4' D2&)4,)' 5,'),(15'
$8(?' ;8;'(4'1 : , ' 5,'=) :83,;',0,1248 (' 9'7)&45'&(;'
',(?,&(1,' (' 45,' ,(,:8,3' 9' *),(1,'8(' ?,(,)&*'&(;' 9'
45,')&4,3158'8(' =&)4812*&)'7&3' 78455,*;' ')' ;8;'45,),'
&==,&)' &(6' =) A&A8*846' 9' &' 92*98*:,(4' 9' &' (&) *&P3'
94,(.),=,&4,;' &(;' ,&?,)*6.4),&32),;' =) =5,18,3' 8(' 4583'
),3=,14

) :'&**' 75815'1&23,3'3&63' B28118&);8(8'F)&'E,) (8: J'
1 (48(2,;' 4 '? ' ; 7('8(' 45,' 7)*;'48**' 583',O4)&);8(&)6'
,(;8(?G' (' 45,' : (453' 45&4'9 ** 7,;' 45,' ,0,1248 (' 9'
45,' 98',' 1848>,(3'5 7,',)' 45,' :,:A,)3' 9' 45,' 45),,' 321<
1,338',' 8?( )8,3'75815'7,),'&3'5&3' A,,(' 3&8;'&**'9&' 2)<
&A*,' 4 ' 45,')8&)' 34) ',' 4 ' 45,' 24: 34' 9' 45,8)'= 7,)'4 '
8(;21,' 45,' =,' 4 ' 7845;)&7' 45,' ,11*,38&3481&* 1,(32),'
75815'5&;'A,,('92*:8(&4,;'&?&8(34' 58: ' ('&'*,44,)'9) :'
45,' 8?( )6'4 ' 45,8)' &?,(4'8(' :,'A,&)8(?' ;&4,'45,'N45'
9' ',:A,)' - N' 45,6' 7)84,' 7845'),9,),(1,'4 ' 4583'
AH,14' F' 4'83' 2)' 78**'45&4'6 2'A,&4' ('4*883' 32AH,14' 45&4'
6 2' 1)6'&(;'8:=)42(,' 2)?,'8(' ,',)6' = 338A*,' :&((,)

J 5,'(&:,'83'3 :,48:,3'7)844,('4523'&(;'3 :,48:,3')&'B8) *&: 'A6'
45,'1 (4,:=)&)6'5834)8&(3

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&(;' 1,&3,' (4 ' ( )' 3=&),' &(6' *&A 2)' 9)' 45,' &44&8(: ,(4' 9' 4583'),32*4 G

24' 84' 7&3' &*** 8(' '&8(' 4' (*6' 7&3' 84' 8 : = 338A*,' 4 ' ?,4' *,O&(;,)' 4 '),1&** 45,' 1,(32),3' A24' &*** 45,' 45,)' 8(4,),343' 9' 45,' ,=2A*81' 7845' 45,' 1 2)4' 9' : ,' 3215' &3' 45,' 2)?,(4*6' (,,;,;' =,) : 8338 (' 4 ' *&6' &' 4&O' (' *),(48(,' ,11*,38&3481&** =) =,)46' 7,),' &4' &' 34&(;348**' A,1&23,' 45,' =,' &A3 *24,*6'),923,;' 4 ' *834,(' 4 ' 45,' ,(' 63' 9' 45,' : : (7,&*45' (' &(6' 32AH,14' 48*** &' (&) *&' 35 2*;' 5&',' A,,(' ;,*8',),;' 8(4 ' 583' 5&(;3' I (;' 4 ' 4583' 45,' 8?( )6' 1 (32*48(?' &3' *),(48(,3' &*: 34' 8('&)8&A*6' ;8;' 45) 2?5 24' 45,' 1 2)3,' 9' 45,8)' 5834)6' 45,8)' : 2(818=&**)8?543' &(;'8(;,<=,(;,(1,' &(;' 45,8)' 9,,5(?3' &3' 1848>,(3' A,9),' 45,8)' ;248,3' &(;' 3H 2=&458,3' &3' &45 *813' 1 2*;' (4' &(;' 7 2*;' (4' 1 (1,;,

(;' 4523' : &44,)3' 1 (48(2,;' 48*** 45,' 5)834 : &3' 9' 45&4' 6,&)' &' (&) *&' 5&;' &4' 45&4' 48 : ,' A,,(' 38*,(4' 38O' : (453' &(;'5,' 58 : 3,*9' &3' 7,*** &3' 583' 32==)4,)3' 75' 3&7' 583' &(;' 45,8)' 1),;84' '838A*6' ;,1*8(8(?' 8(' 45,' 1846' A,1& : ,' 4 '8 : <=&48,(4' 9' 3 ' ;83&34) 23' &' 34&4,' 9' 458(?3' 4 ' 4 *,)&4,' 84' * (?,)' (' 5)834 : &3.;&6' &' (&) *&' 8(' =,(';,98&(1,' 9' 45,' ,O1 : : 2(81&48 (' 1,*,A)&4,;' : &33' 8(' 4' &)@P3' &(;' &; : 8(834,),;' 45,' 1 : : 2(8 (' 4 ' &*** 583' 9)8&)3' &(;' 4 ' &' *&)?,' (2 : A,)' 9' 583' *&6' ;8318=*,3' 5,' *&44,)' 5&'8(?' A4&8(,;' 45,' 1 (3,(4' 9' 45,' 9&' 2)&A*,' 8?( )6' 1&23,;' 45,' 232&** =),=&)&48 (3' 9' =2*=84' &(;' A,(15,3' 4 ' A,' : &;,' 8(' 45,' (&',' 9' 45,' 1&45,;)&*' &(;' ? 8(?' 4 ' &' (&) *&' 8(' &' A ;6' A,3 2?54' 58 : ' 4 '),1 : : ,(1,' 583' 3,) : (3' (;' 5,' 75' &3' 583' A8 ?)&=5,)' 3&63' 5&;' *844*,' (,,;' 9' 8(184,: ,(4 .'=) : 83,;' 45&4' 5,' 7 2*;'=),&15' 45,),' (' 2(;&6' 45,' 45' 9' ,A)2&)6' - ' 5,' 48;8(?3' 45&4' 4583' 7&3' 4 ' A,' ; (,' 1&23,;',O4),: ,' ,O184,: ,(4' 8(' 45,' 1846' 5,')15A835 =' ,33,)' 8 (&); ' ;,P ,;818' 8332,;' 45,' : 34

'" 61163' Aw*,169' E;' 422834' 418' 94' #8; F' +,2' 44' =' [

34)8(?,(4 =) 58A848 (' 9) :' &44,(;8(?' (' 45,' =) :83,;' #
3,): ('4 '&** ,11*,38&3481&* =,)3 (3'M &(;',(H 8(,;'&** =&)835'
=)8,343'4 ' 7&)('45,8)' =&)8358 (,)3' 7845'45,'24: 34'2)?,(16'
9'45,'1 (3,D2,(1,3' 9'4523'9*68(?'8('45,'9&1,' 9'45,' &=&*
&245)846' &332)8(?' 45,:' 45&4' (' (,' 75 ' 35 2*;' A,'
=),3,(4' &4' 45,')8&)P3' 3,): ('35 2*;' A,' &;:844,;'4 ' 45,'
1 ::2(8 ('4&A*,'4 '1 (9,338 (')'4 'A2)8&* 8('1 (3,1)&4,;'
?) 2(;' 5,' 8?( )6' 5 7,',)' :&;,' 35)4' 7)@' 7845'
4583',=831 =&* &44,:=4'4 '2=5 *;' 45,' &245)846' 9'45,' *6'
,,'ML C(48968(?'4 ' 45,')15A835 ='45&4'2(*,33'5,' 7845<
;),7' 583') 58A848 (3' &(;'45),&43' 78458('47 ' 5 2)3' 5,'
35 2*;'A,') (2(,,;'&(' 24*&7
' 45,' 3,): ('4 @' =*&1,' &3' &((2(1,;' &(;' 7&3'
&44,(;^;'A6'&' ',)6'*&)?,'&2;8,(1,' 5,')=),&15,)'=*2(?,;'
&4' (1,'8(4 '45,'D2,348 (' 9'45,'' &*8;846' 9'45,',O1 ::2<
(81&48 ('238(?'&' 3,)8,3' 9'&)?2:,(43'),=)4,;'&4' *,(?45'
A6'583'A8 ?)&=5,)' 9' 75815'84'83' 3299818,(4'4 '),:&)@' 45&4'
45,6':&(89,34*6'4 ' 45,' &==),5,(38 (' 9'45,';,),34'46) '8('
3215' :&44,)3' *&(;' 45,' ,(D28),)' 8(' 92**) 4,34&(483:'
05,(' 45,' &245)846' &== 8(4,;' A6' B ;' 3,',)3' 58:3,*9'
9) :' 8:'5,'83'45,(' A24' &' A) @,(' 4 *' &(;'83' ('* (?,)'
,(484*,;'4 ' 2)' A,;8,(1,' 24' 6 2' 78** &3@' :,' 3&63'45,'
=),&15,)'5 7' ' &:'4 '@(7'45&4' 3215'83'45,'1&3,'ML C4523
58448(?' 45,' (,' ?),&4' (&8* &112)&4,*6' (' 45,' 5,&;M' A24'
244,)*6'9&8*8(?' &3' 5,' (,,;3' :234' 5&',' 9&8*,;' 4 ' ?,4' &(6'
&'&8*&A*,'3 *248 (' 9'583'D2,348 ('A6'45,'),=*6'45&4'4583'9&14'
83'4 'A,' @(7('A6' A3,)'8(?' 05,45,)' 45,' *&73'&(;'1 :<
:&(;3' 9'45,' &245)846'8('D2,348 (' &),'F1 (4)&)6'4 '45&4'
75815'83'45,'=)8(18=*,' &(;' 45,') 4' 9'&** 783;:' 45&4'83'
4 '3&6' &'? ;*6'*89,' &(;'15&)846'MGL &' ' 45,'
=2,)8*846' 9' 75815M83' 3215' 45&4' 84' 83' ;899812*4'4 ' 8:&?8(,'
45&4'3215'&':&('&3' &' (&) *&1 2*;'5&',' A,,('58:3,*9'45,'
;2=,' 9'84
('45,'9 ** 78(?'=&33&?,'8(;,,;'7,'98(;'58:' (4' (*6'
? 8(?'45,'75 *,' *,(?45' 9'45,',O4),:,34'8(;8'8;2&**) .

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4,34&(483 : ' A24' 3,448(?' 9)45' 45&4' : 63481' F'*&7.2(4 .45, : .' 3,*', 3G' ; 14)8(,' 75815' 5&3' 8(' &*' &?,3' A,,(' 9 2(;' 3 ' ;&(?,) 23' &' 4 *' 8(' 45,' 5&(;3' 9' 9&(&48183 : ' F' 2)' =,)< 9,148 (G' 5,' 3&63 J' F' ; ,3' (4' 1 (3834' 8(' 9&845')' 8(' 45,' *&7 ' A24' 8(' 15&)846' ' (;' 5,' &* (,' 75 ' = 33,33,3' 4583' @(73 45&4' 75815' 83' (,1,33&)6' 4 ' 3&*'&48 (G F' 75 ,',) 45,),9), G' 5,' =) 1,,;3' F' 35&*' 1 : :&(;'&(6458(?' 1 (4)&)6' 4 ' 15&)846' 75815' 83' 45,' 92**(,33' 9' 2)' *&7 ' *,4' 58 : .A,' &(&45, : &' 6 ' 89' 84' 7,),' &(' &(?,*' 75 ' 3&8;' 84 ' 89' &*' 45,' 3&8(43' &(;' 45,' 8)?8(' &)6' [75815' 1,)4&8(*6' 83' (4' = 338A*,]' 7,),' 4 ' 3&6' 84 ' *,4' 45, : ' A,' &(&45, : &48>,;' 9' &(6' *&7 ')' 1&((')' 2(18*' 9' 35 2*;' 3&6' 84 ' *,4' 45, : ' A,' &(&45, : &48>,;' (;' 89' &(6' =,' 5&3' ,',)' 3= @,(' 8(' 1 (< 4)&;8148 (' 4 ' 75&4' ' &:' (7' 3&68(?' *,4' 58 :' A,' ,O1 : : 2C' (81&4,;' ' ; ' (4' &33,)4' 45&4' 45,),' ,',)' 5&3' A,,(' 3215' M A24' 89' 45,),' 7,),' 5,' 7&3' (' * (?,)' &(' 8(34)2 : ,(4' 9' 45,' '); L 5,' 7&3' &' : ,),' A) @,(' 4 * G

F' : ,' &: (?' 6 2' &),' &9)&8; G' 5,' 1 (48(2,3' F' 45&4' &*45 2?5' 4583' ,O1 : : 2(81&48 (' : &6' A,' (2**' 8(' 45,' 38?54' 9' Q B ;' 6,4' 84' : &6' A,' '&*8;' 8(' 45,' ,6,' 9' 45,' 52)15' (' ' ' ' ' ' "'8'" ' ' ' ' ' ' ' ' F #

5' Q : 6' B ;' 89' ,',)' ' 1&23,' : 63,*9' 4 ' A,' &A3 *',;' 9) :' J 4583' ,O1 : : 2(81&48 (' 3,(;' : ,' 8(4 ' 5,**' Q E' 5' &45,)' ' (;' 45,),' &),' ,',(':9)8&)3' 75 ' 3=,&@8(?' 9' 4583' ,O1 : < : 2(81&48 (' : &8(4&8(' 45&4' 84' 83' '&*8;' &(;' 45&4' 45,6' 1&((4' ?8',' : ,' &A3 *248 (' 5&**' ' 4,** 6 2' 5 7' &A3 *248 (' : &6' A,' A4&8(,;' H 5' Q 84' 7,),' A,44,)' 9)' : ,' 4 ' A,' 38*,(4' 24' ' 78**' 3&6' 4523' : 215' 4 ' 6 2' 583' 83' 45,' 7&6' Q G (;' 5,),' 45,' =),&15,)' 34)21@' 47 ' @,63' 4 ?,45,) 8(' 3215' &' : &((,)' &3' 4 ' 8 : 84&4,' 45,' 158(@' 9' : (,6' 4523

Z' O422834' +,2' 44' 5' YY

j' 1' 4=' ,E=63+8E26' 1<81' #8+,.83,28' <636' 8E8.9,.=' 1<6' *=*8Z' =*E163%*>6' ,% G,*29FE6' 81<,24:=' G<,' G<6.' 41' 4=' 4.:,.+6.46.1' 1,' 1<6)' 1,' ,E6;' 1<6' ,56' &==,&*' 1,' 8' %*1*36' ,*.:42' 8=' 1<6' 3682' =681' ,% 1<6' 4.%8224E4241;' ,% 1<6' <*3:<' 4' ' 8.98)4' 822@ .%63.,(

8(;81&48(?' 45,' : ,&(3' A6' 75815' &A3 *248 (')' &(6458(?' ,*3,' : 8?54' A,' 5&;' 9) :' 45,' =&34)3' 9' 45,' 52)15' 8(' 45&4' ;&6

' 458(@' 45&4' &' A,44,)' =,' 45&(' *,O&(;,)' ' : 8?54' 5&',' 9,*4' 45&4' 84' 7&3' (,1,33&86' 4 ' 38*,(1,' 3215' &'=),&15,)' &3' 4583' H L 45&4' &(6' =,' 75&4,',)' 8(;,,;' : 234' 5&',' 9,*4' 58 : 3,*9' &(;' 583' =,; :' 4 ' A,' &*4 ?,45,)' 8(1 : =&48A*,' 7845' 3215' ; 14)8(,

24' 75&4' &A 24' 45,' 7)&45' 4 ' 1 : ,' 45&4' 7&3' 4 ' ',)< 75,* :' 45,' 9&*3,' =,' &(;' 45,' 45,)',(,:8,3' 9' 45,' =),&15,)' &(;' 583' 9)8,(;3' Ĭ 0 &3' 84' 4 'A,' 32== 3,;' 45&4' 5,&',(' 7 2*;' =,) : 84',' 8*' 4 ' 4882 : =5' ',)' ? ;' &(;' 45,' 38 : (8&1&*' &(;' 8(9& : 23' (4899' 4 ' =24' ; 7(' 45,' =) =5,4' &(;' 583' 7)@' Ĭ &;' (4' &' (&) *&' &?&8(' &(;' &?&8(' ;,1*&),;' 45&4' 4583' 7 2*;' (4' 5&==,(' Ĭ ' ,' 5&;' ',(42),;' 4 ' 9),4,**' 45&4' 45,' 92* : 8(&48 (' 9' 45,' ,01 : : 2(81&48 (' &?&8(34' 58 :' 7 2*;' (4' A,' =,) : 844,; ' (;' 84' 83' ',)6' 12)8 23' &(;' =&8(92**6' 8(34)2148',' 4 ' : &)@' 5 7' 45,' (,' 9&*3,' 34,=' 75815' 98)34' 4 @' 58 :' &1) 33' 45,' A 2(;&)6' *8(,' 45&4' 3,=&)&4,3' 45,' (&42)&*' 9) :' 45,' 32=,)(&42)&*' &(;' 4,&158(?' 9) :' =) =5,16' 8(' *',3' 58 :' 8(' 45,' 9&4&*' (,1,33846' 9' 75&4' (8234' A,' 1&**,;' ,D28' 1&48 (

F' '),=*6' 4 ' 6 2 G' 5,' 3&63' 4 ' 583' 1 (?),?&48 (' 8(' &(37,)' 4 ' &(4818=&4,;' AH,148 (3' (' 45,' 31),' 9' 45,' ((.92*98* : ,(4' 9' =) =5,18,3' (' 4583' 5,&; L F' '),=*6' 45&4J45,',O1 : : 2(8< 1&48 (' 5&3' (4' ,(48),*6' 1 : ,' &(;' 45&4' 45,),9),' 6 2' 5&',' (4' 6,4' 3,,(' &** G' [,' 7&3' &**2;8(?' 4 ' 45,' 9&14' 45&4' 45,' &=&*' A2**' 5&;' (4' A,,(' =2A*835,;' 8(' *),(1,' 8(' &**' ;2,' 9) :' M 45 2?5' 84' 5&;' A,,(' 92* : 8(&4,;' 7845' 3289818,(4' ,998< 1&16' &3' 7,' 5&',' 3,,(' 4 ' 1 : =,*' 583' A,;8,(1,' 4 ' 84' 9)' 38O' : (453]' F' 24' 6 2' 5&',' 3,,(G' 5,' 1 (48(2,;' 8(' &' 34)&8(' 75815' 84' : 234' 348**' ?)8,' 23*6' =&8(' &**' 45,' &;:8),)3' 9' 3 ' ?),&4' &' :&(' 4 '*834,(' 4 L F'6 2' 5&6,' 3,,(' 5 7' &' 1,)4&8(' =,)3 (' &4' : ,' 5&3' * 34' *883' 3 (' MG' [&**2;8(?' 4 ' 45,' ;,&45' 9' 45,' =,P3' 3 (' 45,' 2@,' 9' B&(;R&' M]' F' &(;' 6 2

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5&',3,,(45,;,&453 9 1,)4&8(45,)3 5,),vP [&**2;8(?4 ,* ,) &(;45, 45,)9 2)] F 75 78** ? 4 5,** &(;6 2 78** 3,,45,=) 1,,;8(?3 9 45,4)8A2(&*3 8(45,8) 1&3,'G [(4 6,4 :&;,=2A*81]' F 3 6,4 G 5,1 (48(2,;8(45,4)2,4 (, 9 1 (318 23 15&)*&4&(83:' F 5&',(4 A,,(;)8',(4 5&',),1 2)3,4 : 8)&1*, 24 8(583 7(48:,45,);78** 34),415 24 583 5&(; (;6 2 5&',&*),&;6 3,,(3 :&(6 38?(3 45&4 6 2 5&',((,,; 9 :8)&1*,3 G

5,*,&)(,;A8 ?)&=5,)&(;,* D2,(4 &1[' 1&4, 9 &' <(&) *& 9 75 3,45) 2?5 @(7*,;?, 9 4583 =,)8 ; 9 4&*8&(5834)6 5&',3 9),D2,(4*6 &'&8*,; :63,*9 83 &(O8 23 4 =8(4 24 4 583),&;,)3 45&4 &'(&) *&;8;'(4 8(4,(;4 *&6 1*&8:4 &(6= 7,) 9 7)@8(?:8)&1*,3M A24 7&3,(48),*6 38(1,), &(;75 *,.5,&)4,;8('45,=,)9,14 1 (<'8148 ('45&4 B ;7 2*;7)@ (,89 45,48:,35 2*;1 :,75,(3215 &(',O,)48 (9 32=),:,=7,)35 2*;A,(,1,3<3&)6 9)45,=)4,148 (9 58:3,*9 B ;P3 3,)'&(4&(;583 7)@9):;,34)2148 (0 5,('8('&(45,) 9 4583 3,)8,3 9 3,):(3=),&15,;8('45,3=)8(? 9 - 5,=):83,3 583 5,&),)3 45&4 (45,*&34 ;&6 9 45&4 &)(8'&* 5,7 2*;1,*,A)&4,:&33 &4 4 &)@P3&(;?8',&3*,:('A,(,;8148 (8('45, 8&>>&8('9) (4 9 45,152)15 &94,)7&);3&(;? ,3 (4 3&6M F A,?1,&15 9 6 2 45&4 75,(35&** 34&(;45,),7845 45, *6 &1)&:,(4 8(:6 5&(;5,78** =)&69,)',(4*6 4 45,);45&4 89 4583 7)@A,(4 9 8:,3,:&6 3,(;&98),45&4 35&** 37&** 7:,2=8(5 , * * L.&(;75,(8(&(45,)3,):(5,1&**3 (B ;4 34)8@,58:;7(7845 &452(;,)A *4 89 5,7,),(4244,)8(?7);38(&11);&(1,7845 45, 8'8(, 08** 45,),1&((4 A,45,3*8?54,34 ;2A4 45&4 5,3= @,8(45,24:34 &(;:34 9,)'8;38(1,)846 9 5,&)4 ,A,*8,',;8(45,=338A8*846 &(;8(;,,;8(45,=)A&A8*846 9 &32=,)(&42)&* 8(4,)<=3848 (9 45, 8'8(,=7,)7845 &(',(48),&(;2(35&@,.&A*,1 ('8148 (24 5,1 2*;(4 A24 5&',@(7(45&4

883 ,0123, 4 45, =, =, 9 45, ; ,*&6 8(45, :&(89,34&48 (% 9 4583 :8)&1*, A&3,; (45, D28AA*, &A 24 45, ((< =2A*81&48 (9 45, A2** 9 ,01 : :2(81&48 (7&3 &:,), ;8*&4)6 9,8(4 (;45,), 83 &(45,) 1 (38;,)&48 (75815 35 2*; A, A)(, 8(:8(;A6 45 3, 75), *6 8(,(;,&' 2)< 8(? 4 ,348 :&4, &(; 2(;,)34&(; 45, 34)&(?,*6 1 :=*,0 15&)&14,) 9 &' (&) *& (45, 8(1 :=&48A8*846 9 3215 5&A842&* 1 : :2(8 (9 45, 3 2* 7845 B ; &(; 3215 &9,)'8; 9&845 8(8 :&3 45,)8&) = 33,33,; 7845 45, 3,*9. 1 (318 23 9&*3846 9 45, 15&)*&4&(4 83 45&4 45, :)&* ,99,14 9 3215 1 : :2(8 (&(; 3215 9&845 78** A, 15&)&14,) 8>,; A6 45, (&42), 9 45, 1 (1,=48 (75815 45, 1),&42), 5&3 A,,(&A*, 4 9) : 9) 58 :3,*9 9 45,),&4) 7 45, B ; 9 &' (&) *&P3 7)358=7&3 &B ; 75 7&3 ,0=,14,; 4 1 (38?(83&4 *),(48(,; :8(&48 (&3 &), 7&); 9) 45, =8,46 9 45, *),(48(,3 89 8(;,,; 45,6 7 2*; A, 4, :=4,; A6 84 4 A, =8 23 ML 75 7&3 45 2?54 4 5&', =2(835,; & =, 9)=2A*8358(?&(2(H234 ,01 : :2(81&48 (A6 1&238(? 45, ;,&45 9 5583 3 (75 7 2*; 45,)783, 5&', *8', ; * (?,)HL &(; 75 :8?54 A, ,0=,14,; 4 34)8@, ; 7(8(4 5,** A6 32;,,(98), &=8P,&15,) 75 35 2*; (4 =),&15 8(&11);&(1, 7845 45, 8'8(, 0 8** 5, D2,348 (&)83,3 5 7 9&) 8(48 :&4, &(; 7)358==8(? 1 : :2(8 (9 45, 3 2* 7845 &B ; 3 98?2),; 9)45 7 2*; A, *8@,*6 4 =) ;21, 45&4 (A*, &(; * 946 =2)846 9 4)24592*(,33 4 75815 45, A&*,92* 35&; 7 9 &9&*3,5 ; *,4 84 &==,&) 4 32A3,)', 75&4, ',) 8(4,),34 9 =8,46) '8)42, 84 :&6 83 &(&A :8(&< 48 (&(; &(8 := 338A8*846

(45, *&34 ;&6 9 45, &)(8'&* 9 - &' (&) *& 1,*,A)&4,; :&33 &(; ?&', 45, 3 *, :(&(; =2A*81 A,(,< ;8148 (75815 5, A&; =) :83,; M &(; 45,(45,), 7&3 & 3,1 (; 1 **,148 (&(; A2)(8(? 9 F45, '&(848,3 P &3 8(45, =), '8 23 6,&) 24 84 7&3 ',)6 , '8;,(4 &*45 2?5 45, 8?( )6 7&3 9&' 2)&A*, 4 45, 8&?((8 &(; 45, =8*, 7&3 ;2*6 A28*4 2= &(; 98),; 4C 4 45,)8&) 5&; ? (, ; 7(8(

=>' _ # ' x Z ' ' x 2% ' ') '

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45,' 7)*;' &3' B28118&);8(8'=*(H&3,3'8[)'38(1,'45,'*&34'1&)(8'&*'
/45&4'48:,'*&34'6,&)' 5,'F'5(?,*3G'3,(4') a(;'4 '1 **,14'J'45,'
&A :8(&48 (3G' 7,),.8(32*4,; 8:=,;,;' &(;' 8**.4),&4,;' A6'
45,' :=&?(&118'&(;' 45,8)' 9)8,(;3M' &(;' 45 2?5' 45,'
:&H)846' 9'45,'H , =*,'&(;'45,' 8?( )6' 7,),'348**' 8&?((8'
&(;'C9&' 2)&A*,' 4 ' 45,' :&(89,34&48 (' 84' 7&3' ,)6S' ,'8;,(4'
45&4' 4583' 3,1 (;' A2)(8(?' 7&3' * @,;' (' 7845',' 8*' ,6,3'
A6'V'*&)?,'=)48 (' 9'45,'1H46

(,'458(?'&4' &**' ,',(43'4583' 1&)(8'&*' ;,: (34)&48 (' 9'
45,' 8&?((8' ,99,14,;M' &(;' 45&4' 7&3' 4 ')&83,' &?&8(' 4 '
A 8*8(?' 5,&4' .45,' =&)46' 5&4),;3' 8(' 45,' 1846'':' 5,',',).'
8(1),&38(?' '8 *,(1,'&(;'A *;(,33' 9' &' (&) *&P3' *&44,)' 3,)<
: (3' 75815' &332),;*6'4,(;,;' 4 ' 45^' 244,)' 32A',)38 (' 9'
/45,' 75 *,' 9&A)81' 9'45,' &45 *81' 52)15 J' 7&3' 7)@8(?' 8('
45,' 3&:,' ;8),148 (' ' 3 (,)' 7,),'45,3,' 3=8)84.348))8(?'
&(;' 4)2*6' &*&):8(?' ;831 2)3,3' ;,*8',),;' 45&(' 45,6'7,),'
=)8(4,;' &(;'78;,*6'31&44,),;'&A) &;'5 4' (*6'8(' *),51,'
A24'8(' 45,)' =&)43' 9' 4&*6'&(;',',(' A,6 (;'45,' *=3'
(;' 48;8(?3'),&15,;' *),(1,' &(;' :,' &*3' 75815'
35 7,;'45&4'45,')8&)' 9' 4' &)@P3'7&3'8(' 4)245')&838(?'&'
?,(,)&*' 241)6'&?&8(34'45,'4 ' =&4,(4'31&(;&*3'&(;'1)H'
)2=48 (3' 9'45,' 5:15' 75815'45),&4,(,;'4 'A,';&(?,)23'
*,O&(;,)' 7&3' 9)8?54,(,;' &(;' =) =)48 (&A*6' 92)8 23'
&?&8(34'4583'4)&84)'8(' 45,'1&:='4583'7):' 9'&'=),&158(?'
9)8&)' 75 :'5,'5&;'9&8*,;'4 '1)235'7845'45,'98)34'&(?)6'A24'
1 (4,:=42 23'34&:=' 9'583'9 4'&(;'75 ';&),;'4 '),&)'583'
1),34'&(;' 5833' A&1@' 12)3,' 9)' 12)3,' &?&8(34'B ;P3' 81,<
?,),(4' 2= (',&)45' 9',',)' 45,',O48(148 (' 9' == 3848 ('
:&6'A,'4,:=,),;' A6':,)16'75,(',99,14,;' A6'&' 152)15'8('
45,'3,12),'=*,(842;,' 9'= |C,)'(,845,)':,)16'( )'(8 ;,)&48 ('
7&3',',)',O,)183,;' A6'45,'=)8,34' 9'&' 152)15'8(';&(?,)

'" #,)6 =56:4)6.=' ,% 1<6=6' =183124.>' 94=:,*3=6=' <8+6' E66.' >4+6.^' 8.9'
)8.;'),36'81')*:<' >368163'26.>1<')8;'E6'%,*.9'4.'1<6'58>6=' ,% 3,%6==,3'
O422834' <6;'836'=*,<'8='1,':,.+4.:6'1<6'368963'1<81'41')*=1'<8+6'E66.'8'
=13*>>26'1,'1<6'9681<'E61G66.'1<6'4.9,)418E26' 3483'8.9' 81<,24:'8*1<,341;

5,‘),= ,3 &11);8(?*6‘ 7 1$1&:,‘ 9) :‘ :,‘ 4)48*,‘ ‘ ‘ 2)?,(4‘ (34&(1,3‘ 9‘ 45,‘ 8&?(5,‘ 8?( )6‘ 45&4 45,. =,‘ 35 2*;‘),1&** 583‘ 1,(3a),3‘ (‘ 45 ‘)8&)‘ 7,),‘ 9&)‘ :),‘ 2(.‘ 9&'D2'x4*A*,‘ 45&(‘ &‘ 38:=*,‘),923&* 4 ‘ ; ‘ 3 Y‘ 5,/*,44,)3‘ 9‘ 45,‘ 8?(H6‘ 5&;‘),&15,;‘ 45,8)‘ ,(' 63‘ 8(‘ :,‘ f(‘ 45,‘ !45‘ 9‘ &)15‘ - ‘M &(; 45,‘),=*8,3‘ 9‘ 45,‘ *),(48(,‘ &?=(43‘ 589,33,)‘ :,(81 ‘ (38‘ &(;‘ ,33,)‘ *,33&(;) ‘)&118 I&),‘ ;&4,;J (‘ 45,‘ 45‘ 9‘ 45,‘ 3&:,‘ : (45 ‘ 4‘ 45,‘ A,.‘ ?8((8(?‘ 9‘t &)15‘ &94,)‘ 45),,‘ 3211,338',‘ 8?( )8,3‘ 9‘ T 8&?((,‘ 36:=&4583,)3‘ &‘ 8?( )6‘ ;,18;,;*6‘ 5 348*,‘ 4 ‘ 45,‘)&4,n158‘ 5&;‘ 1 :,‘ 8(4 ‘ / 9981,‘ &‘ 36:=4 :‘ 9‘ 45,‘ 15&(?8(?‘ 12)),(4‘ 9‘ 9,,*8(?‘ 8(‘ 45,‘ 1846‘ 9‘ 45,‘ (,7‘ 8?.‘ 5)6‘ 45),`‘ (*6‘ 7,),‘ 9& :P&A*,‘ 4 ‘ 45`‘)&4,‘ ,',)45,.‘ *,33‘ 45,‘ (,7‘ ? ',)(:,(4‘ 0&3 (4‘ ;83= 3,;‘ 4 ‘ 68,*;‘ 4 ‘ 45,‘ ;,:&(;3‘ 9‘ =,‘ *,O&(;,)‘ 45&4‘ &'(&) *&‘ 35 2*;‘ A,‘ ;,*8',),;‘ 2=‘ 8(4 ‘ 583‘ 5&(;3‘ (;‘ 45,‘ 9&14‘ 83‘ &‘ 34)8@8(?‘ =) 9‘P 9‘ 45,‘ ;,?),,‘ 4 ‘ 75815‘ *),(48(,‘ :2(818=&*)8?543‘ 7,),‘ &*7&63‘ =),9,)),;‘ 8(‘ *),(1,‘ 4 ‘),3=,14‘ 9)‘ 45,‘ 52)15‘ 75,(‘ 84‘ 1&:,‘ 4 ‘ A,‘ &‘ D2,348 (‘ (4‘ 9‘=5)&3,3‘ &(;‘ =) 4,34&< 48 (3‘ A24‘ 9‘ ;,,;3‘ 583‘ &'(&) *&‘ 7&3‘ 8(‘ 45,‘ ,6,3‘ 9‘ EM5,‘ (,7‘ 8?( )6‘ &‘ ;&(?,) 23‘ 98),A)&(;‘ &‘ (283&(1,‘ &(;‘ &A ',‘ &**‘ &‘ =&)46‘ 9 ,‘ 24‘ 5,‘ 7&3‘ A6‘ &; =48 (‘ &‘ *),(48(,‘ 1848>,(‘ (;‘ 45,‘ :,:A,)3‘ 9‘ 45,‘ 8?( )6‘ 5&4,‘ &3‘ 45,6‘ :8?54‘ 78458(‘ 45,8)‘ 7(‘ 7&**3‘ 45,8)‘ =&)46‘ ,(,:6‘ &(;‘ 78**8(?‘ &3‘ 45,6‘ :8?54‘ A,‘ 4 ‘ :,4,‘ 24‘ 4 ‘ 58:‘ &(6‘ :,&32),‘ 9‘ =2(835:,(4‘)‘ =,)3,1248 (‘ 7,),‘ &A ',‘ &**‘ &(;‘ A,9),‘ &**‘ &3‘),?&);,;‘ 45,‘ A 438;,‘ 7)*;‘ *),(48(,‘ 1848>,(3‘ (;‘ 45,6‘ 7,),‘ (4‘ 78**8(?‘ 4 ‘ &A&3,‘ 45,‘ ;8?(846‘ &(;‘ 8(;,=,(;,(1,‘ 9‘ 45,‘ :: (7,&*45‘ A6‘ ?8‘ 8(?‘ 2=‘ &‘ *),(48(,‘ 1848>,(‘ 4 ‘ A,‘ H2;?,;‘ A6‘ &(6‘ 45,)‘ :)4&* H2)83< ;8148 (‘ *&6‘)‘ 1*,)81&*

‘ F=)&481&G‘)‘ *&)?,‘ &33,:A*6‘ 9‘ :&?834)&4,3‘ &(;‘ *,&;< 8(?‘ 1848>,(3‘ 5&;‘ A,,(‘ 1&**,;‘ ,3=,18&**6‘ 4 ‘ ;,18;,‘ 75&4‘ 7&3‘ 4 ‘ A,‘ ; (,‘ 8(‘ 4583‘ :&44,)‘ &(;‘ 4 ‘ 4&@,‘ 99‘ 45,‘ 35 2*;,)3‘ 9‘ 45,‘ 8?( )6‘ 45,‘),3= (38A8*846‘ 9‘ ;,&*8(?‘ &* (,‘ 7845‘ 3

WUX ; ,*81&4, &(; ;899812*4 & D2,348 ((4583 &33, : A*6 45,), 5&; (4 A,,(7&(48(? 1 2(3,**)3 5 2)?,; (45, 8?. ( )6 45, (,1,33846 9 1&)8(? 8(4583 : &44,) ,9) 45, 5 (2) 9 B ; G L # # A,68(? 45, =, 24 45, ;`*8A`)&48 (3 9 45, F=)&481&G 5&;),32*4,; 8(& ; ,4,) : 8(&48 (4 : &@, (,w( ), &44, : =4 &4),1 (18*8(? F 45, 5 (2) 9 B ; G H CH45 45&4 9 45, : : (7,&*45 4 5&; A,,(; ,18; , ; 45&4 ,(2?5 7 2*; A, ; (, F 9) 45, 5 (2) 9 B ; G 89 45,)8&) 7 ,), =) 58A84, ; 9) : =),&158(? 8(45, 1&45, ;)&* &(; 1 (98(, ; 4 583 152)15 9 4 &)@ (; *,44,)3 7,)` 3,(4 4 : , 1 (',68(? 4583 ; ,4,) : 8(&48 (&(; H 8(8(? 45,), 7845 45 3, =) 4,34&48 (3 9 98*8&* ; , 48 (4 45, *6 , , 75815 *),(1, 7&3 &4 &** 48 : ,3),&;6 4 &; : 8(834,) 8(&(6 =) 9238 (4 45, *6 &45,) 89 (*6 45,6 : 8?54 329981, 4 1 (4,(4 58 :

24 *,O&(;,) 7&3 4 : 215 8(,&)(,34 8(4583 : &44,) 4 A, 1 (4,(4,; 8(&(6 3215 : &((,) M &(; * @8(? 4 45, 48;8(?3 45&4 7,),),&158(? : , 9 45, 3=),&;8(?),32*43 9 45, 9)8&)P3 =),&158(? 5, 5&; 8(;,,; ? ;),&3 (4 A, 3 5, *,44,)3 9) : : , 45,),9), 75815),&15,; 45, 8?( )6 ,&)*6 8(&)15 7,), 3299818,(4*6 &*&) : 8(? 5, 8(4,)'8,7 A,47,,(45, *),(48(,,(63 &(; 45, =,5&; A,,(& ',)6 =&8(92** &(; 34) : 6 (, 5, * *6 &45,) : &(89,34,; ,O4), : , 8(;8?(&48 (&(; F 7 (;,),; 5 7 45, 8?( )6 1 2*; 3 9&) 5&',9)? 44,(75&4 7&3 ;2, 4 58 : &(; 4 45, : 3,*',3 &3 4 &8; &(; &A,4 45&4 1 (4, : =48A*,),=48*, J 8(99,(;8(? 45, : &H,346 9 45, *6 ,, G , (1, &?&8(;, : &(;,; 45&4 &' (&) *& 35 2*; A, 3,(4 4 * : , 45,), 4 &(37,) 45, &1123&48 (3 9 =),&158(? 9&*3, ; 14)8(, 75815 *&6 &?&8(34 58 : &(; 4 =2)?, 58 : 3,*9 9 583 1 (42 : &16 9 45, 8?( )6 7 2*; 3 3,(; 58 : &(; 89 5, 7 2*;),1&(4 583 ,)))3 &(;),=,(4 45, : ,)16 9 45,) 52)15 7&3 348** =,(4 58 : M 5, 35 2*; A,),.

1,8',;'&3' &'),=,(4&(4'3 ('&(;'9)?8',(' 24'89'(4'*8,' R
45,' *6' &45,)'7&3' ;,4,):8(,;'4'23,'45,'75*,' 9'45,' -
=7,)'8('583'5&(;3'9)'45,'38?(&*' =2(835:,(4'(4' (*6' 9'
45,'5C,481'58:3,*9' H24' 9'45,'1846'75815';&),;'4'35,*4,)'
58:' (;'45,'A2**'75815',:A ;8,;'45,3,'),3 *',3'&(;'
75815'7&3'3,(4'4' *),(1,'4?,45,)'8'845'45,'*,44,)3' 9'/
45,' *),(48(,' &?,(43' &;;,;'4' 45,' =2),*6' 3=8)842&*'
:,(&1,3'75815'45,' : : (7,&*45'7845'75&4,',)'* 2;'
=)9,338 (3' 9'?)8,9' &(;'1 (4)848 ('5&;' &*7&63' A,,('
&A*,'4'A,&)'7845 24'&(6'3,)8 23'8(1 (',(8,(1,'1,)4&8('
45,)'45),&43' 9'&' (&42),' :),'1&*12*&4,;'4'4 215'5,)'
5,&)4' *,O&(;,)';,1*&),;'45&4'89'5,'7,),'(4' A,6,;'
5,'7 2*;'1 (9831&4,'&**'45,'? ;3' 9' *),(48(,'1848>,(3'
45,('8(' :,'7 2*;' =) 58A84' 583' 32AH,143' 9) :' &**'
;,&*8(?3'7845'1848>,(3' 9'45,' : : (7,&*45'&(;'7 2*;'
8:=3,'45,'3&:,' ('45,)'(&48 (3' (' =&8(' 9'8(4,)<
;814' 5,',('63'4 ''',)6'2)?,(4*6'),=),3,(4,;'4'45,'
8?()6'45&4':&44,)3'7,),'1 :8(?'4'&''',)6'&7@7&);'
1)8383' 5,6'7,),'8:=)42(,;'A6'8(9*2,(48&*=,)3 (3' ('&**'
38;,3'4'A)8(?'4583':&44,)'4'&('&:81&A*,'3,44*,:,(4' 5,'
),(48(,3'8(' :,'45,6'3&8;'7,),'=&1,;'8('&''',)6'
=&8(92** = 3848 ('5,' *),(48(,'(&:,'7&3'3298,)8(?'8('
2) =,'8('1 (3,D2,(1,'9'4583'=,348*,(4')8&)' :,'7&3'
A,1 :8(?',',('2(3&9,'9)'1848>,(3' 9'45,' ,=2A*81' ('
&44,:=4'5&;'A,,(' :&;,' ('45,'*89,' 9' (,' 9'45,'&?,(43'
,33,)' :,(81' (38'58:3,*9' 4'7&3'A,*8,',;'5 7<
,',)'45&4'4583'5&;'A,,('45,'7)@' 9'&(',:833&)6' 9'45,'
,;818 J

24'(4',',('45,3,'*,44,)3';,*8',),;'4'&' 8?()6'5 348*,'
4'&'(&) *&'1 2*;'8(;21,' *),(1,'4'?8',' 2='5,)'1848>,('
4'A,'H2;?,;'&4' :,' (45,)'*&)?,' F=)&481&G' 7&3'
&33,:A*,;'&(;'3,=&)&4,;'7845 24'1 :8(?'4'&(6'),3 *248 ('
4'7&3'3,44*,;'45&4'45,':,:A,)3'35 2*;':,,4'&?&8('('45,

,' 9,&)' 45,' 8(4,) ;814' 24' 45,') ;' 78**' 3, (;' &(' 8(4,) ;814' 75815' 78**' 1&23,' 45,' 781@, ;' 4 ' * 3,' A 45' ? ;3' &(;' *89, G 48**' 7 ,' 5&' ,' 45,' 3& : ,' : , (&1,3' 9' 4, : =)&*' =2(835 : , (43' (' 583' , (, : 8,3' 45,' 3D : ,' &==, &*' 4 ' 45,' 4, : =)&*' 4,)))3' 9' 583' 5,&),)3' &(;' =) A&A*6' 45,' 38(1,),' 1 ('8148 (' 45&4' 45,' : 8)&1*,' 75815' 7&3' (, , ; , ;' 9)' 45,' 4)82 : =5' 9' 45,' ? ;' 1&23, L (& : ,*6' =2)84&(83 : ' &(;' ; , : 1)&16' 78458(' 45,' 7&**3' 9' *), (1, ' &(;' 45,' ; ,34)2148 (' 9' 45,' *8A,)46' 9' 83&' 843' 32AH,148 (' 4 ' 45,' *), (48(,3' &(;' 45,' ; 7(9&*' 9' 45,' 781@, ;' &(;' 38 : (8&1&*' =,' &A) &; L 7 2*; ' 45 2?5' 45,' 75, ,*3' 9' 45,') ;P3' 15&)8 4' 4&))8, ; ' A,' 9)451 : 8(?' &4' *&34

(' 45,' : ,&(48 : , ' 5 7, ',) ' 758*,' 7&848(?' 9)' 4583' , O< =, 14, ;' : &(89,34&48 (' 9' 45,' ;8'8(,' = 7,)' &' (&) *&' ;8;' (4' (, ?*, 14' 4 ' : &@,' , ',)6' =), =&)&48 (' 9)' 98?548(?' 45,' A&44*,' 4 ' 45,' ; , &45' 75815' *&6' A, 9),' 58 : ' A6' 3215' : , &(3' &3' 5,' 5&;' 8(' 583' = 7,)')' 3 : ,' 48 : ,' =&34' 45,), ' 5&;' A, , (' D2, 348 (' 9' 32 : : (8(?' &' 1 2(18*' 9' 45,' 52)15' 9)' 45,' H2 ; ?8(?' &(;' ; , = 38(?' 9' 45,' 38 : (8&1&*' (48 ' 5,' &) ;8(&*' ; ,**&' ' ,), ' *, O&(; ,)P3' 8 : =*&1&A*,' , (, : 6 ' 75 ' 5&;' A, , (' ; , 9, &4, ;' A6' 58 : ' 8(' 583' 5 =, 3' 9' 45,' &=&16' A6' 45,' 2(31)2=2* 23' 23,' 9' 45,')?8&(' 7, &*45 ' &(;' 75 ' 8(' 45,' , ', (4' 9' *, O&(; ,)P3' ; , = 3848 (' 7 2*; ' 8(' &**' *8@, *85 ;' A,' 583' 3211,33)J' 8(' 45,' 15&8)' 9' 4M' , 4,) ' 7&3' , &?,)' 8(' =) : 48(?' 4583' 315, : , ' 5&)*, 3' 9')&(1,' 7&3' 7, **' 8(< 1*8(, ;' 4 ' 84 ' A24 ' &3' &*7&63 ' 5, 384&4, ;' &(;' ; , *&6, ; ' &' (&<) *&' 45,), 9), ' 3, 4' 58 : 3, *9' , &)(, 34*6' 4 ' 45,' 7)@' 9' 1&238(?' 45,' 1&**8(?' 9' &' B, (,)&*' 2(18*' ,' 7) 4,' *, 44,)3' 4 ' & ' 45,' =)8(18=&*' 3 ' ,), 8?(3' 9' 2) =, ' 3, 448(?' 9)45' 7845' &**' 583' = 7,)' 9' , * D2, (1,' &(;' &)?2 : , (4' 45,' ; , =*)&A*,' 1 (< ; 848 (' 9' 45,' 52)15' &(;' 45,' &A3 *24,' &(;' =), 338(?' (, , ;' 9' 4&@8(?' 45,' (*6' 34, =' A6' 75815' 45, 3, ' , '8*3' 1 2*;' A, '), .

'' ! 6228' 6+636' G8=' . , 1' 4)) 6948162 ;' 1246' =*: : 6==, 3' , %' 26D8. 963' ' ' E*1' <6' E6: 8) 6' 5, 56' 8=' T*248=' ' 8%163' 1<6' %6G') , . 1<=@ 5858: ;' , %' 4*=' ' G<, ' 4)) 6948162 ;' =*: : 66969' 26D8. 963

! WUX : , ; 8, ; ' 83' : &8(' =, ' 5 7 , ' ,) ' 7 &3' 348**' 8(' 5&)*, 3' ' (;' A, 9), ' 3, (; 8(?' 45, ' *, 44,)3' 75815' 5, ' 5&; ' &*), &; 6' =), < =&), ; ' 4 ' 45, ' 45,)' 3 ',), 8?(3' 5, ' &; ;), 33, ; ' 4 ' 58 : ' &' 3=, 18&*' , =834*, ' 2)?8(?' 58 : ' A6' , ',)6' 1 (38; ,)&48 ('), *8?8 23' &3' 7 , **' &3' = *8481&*' 4 ' * 3, ' (' 48 : , ' 8(' 4&*18(?' 45, ' 9), : 34' 34, =' 8(' 4583' ?), &4' &(; ' : ,)84)8 23' 7)@' 24' 2(9)< 42(&4, *6 ' 8(34, &; ' 9' 45, ' &(O8 23*6' , O=, 14, ; ' &(37,)' 4 ' 4583' , O5)4&48 (' (, 73' 1& : , ' A&1@' 4 ' *), (1, ' 45&4' 45, ' : , 3< 3, (?,)' , (4)234, ; ' 7845' 84' 5&; ' A, , (' &)), 34, ; ' (' 583' 7&6' 4 ')&(1, ' A6' &?, (43' 9' 2; '81 ' 8**) ' &(; ' 45, ' =&=,)3' 5, ' 1&))8, ; ' 4&@, (' 9) : ' 58 : ' 9' 1 2)3, ' 45, ' 37&)456' 2; '81@' * 34' (4' &' : , (4' 8(' 3, (; 8(?' 45, ' 8 : =)4&(4' *, 44,)' 45&4' 5&; ' 4523' 9&**, (' 8(4 ' 583' 5&(; 3' 4A' 583' 9)8, (; ' 45, ' =, ' M &(; ' 45, ' 92)6' 9' 45, ' *&44,)' ('), &; 8(?' 84' &(; ' 4523' A, 1 : 8(?' &7&), ' 9' 45, ' &2; &18 23' : &158(&48 (3' 9' 45, ' (' * (?,)' 1 (4, : =48A*, ' A24' (*6' 4 ' 9) : 8; &A*, ' F), =48*, G' 75 : ' 5, ' 5&; ' 9&8*, ; ' 4 ' 1)235' : &6' A, ' , &38*6' 8 : &?8(, ;

24' 758*, ' 45, ' 34) : ' 7&3' 4523' ?&45,)8(?' &) 2(; ' 45, ')8&)' &A) &; ' &(' 8(18; , (4' 1128 , ; ' 78458(' 45, ' 7&**3' 9' 45, ' 1846' 75815' 1 (4)8A24, ; ' : 215' 4 ' &; ' &(1, ' 45, ' 34)6' 9' &' (&) *&' 4 ' 45, ' , (; ' 4 7&) ; 3' 75815' 84' 7&3' ',)6' '838A*6' 4, (; 8(?

9' 1 2)3, ' ; 2)8(?' 45, ' =,)8 ; ' 9' 45, ' ?), &4' : 8(81&(P3' 12* : 8(&48(?' &31, (; &(16 ' 45, ')8 ' &** 9)8&)3' 9' 45, ' 45,)'); ,)3' , 3=, 18&**6' 9' 45&4' 9' 4 ')&(183 ' 5&; ' A, , (' A844,)*6' 5 348*, ' 4 ' 58 : ')&; 8(?' H, &* 236' 5&; ' A, , (' D284, ' = 4, (4' , (2?5' 4 ' : &@, ' 4583' 8(, '84&A*, ' 24' (7' 75, (' 583' 34&)' 7&3' , '8< ; , (4*6' ; , 1*8(8(?' 75, (' 5, ' 5&; ' =*&1, ; ' 58 : 3, *9' 8(' 9*&?)&(4' == 3848 (' 4 ' 45, ' = 7,)3' 75815' 7,), ' 75, (' (4' (*6' 45, ' =)8; , ' 9' 45, 8)' 7('); ,)' 7&3' 4 ' A, ' ?)&4898, ; ' A6' &338348(?' 8(')2((8(?' 58 : ' 4 ' 45, ' ; , &45 ' A24' 1), ; 84' 8(' 45, ' 58?5, 34' D2&)4,)3' 4 ' A, ' ?&8(, ; ' A6' 3215' 48 : , *6' &; 5,), (1, ' 4 ' 45, ' 1&23, C 9' &245)846 ' 9' 1 2)3, ' 45, ' 9)8&)3' 9' 4 ')&(183' 7,), ' &(8 : &4, ; ' 7845' &' :), ' A2)(8(?' >, &* 45&(' , ',)' 9)' 45, ' 1 (< 9 2(; 8(?' &(; ' =2448(?' ; 7(' 9' 3 ' &2; &18 23' &' : 8(81&(

WUX

(32==)4 9 45,3, 45,3,3)V :,(81 =),&158(? &4 4 &)*&P3 ;,1*&),; 58:3,*9 78**8(? 4 ,(4,) 45, 98), &11 :=&(8,; A6 583 == (,(4 *,&'8(? 45, 4)245 9 45,: 4 A, =) ',; A6 45, :8)&12* 23 =),3,)'&48 (9 58:3,*9) 45,8) 9&*3,5 ; 35 7: A6 45&4 9 583 &;',)3&)6 5,)&(1831&(5 7,',) 75,(5,9 2(; 583 *; &(4&? (834 3 45) 2?5*6 8(,&)(,34 A,1&:, &?&8(&(O8 23 4 A&1@ 24 9 583 15&**,(?, (; &3 &' (&) *& A6 (:,&(3 &=< =) ',; 9 &(6 3215);,&* A24J (45, 1 (4)&)6 3,',),*6 &;: (835,;)V :,(81 9)45, 8(;831),48 (9 583 >,&* 45,)&(1831&(;,1*&)8(? * 2;*6 45&4 583 15&**,(?, 5&; A,,(4 &' (&) *& 58:3,*9 &(; 45&4 5, 7&(4,; 4 5&', (458(? 4 3&6 4)V :,(81 7&3 ?*&; ,(2?5 &4 45, =) 3=,14 9 4523 ,31&=8(? M &(; 45, :&44,) :8?54 5&', 5&; (92)45,) 1 (3,D2,(1,3 89 84 5&; A,,(*,94 4 45, 3,44*,:,(4 9 45, 9)8&)3

24 45,), 7,), :,(8(*),(1, 4 75 : 45, =) = 3,;);,&* 99,),; 9&) 4 '&*2&A*, &(==)42(846 9) 45, &11 :=*835:,(4 9 45,8) ;,38?(3 9) 84 4 A, &** 7,; 4 ;) = 8(4583 :&((,) 5, 15&**,(?, &(; 45, &11,=4&(1, 9 84 5&; A,,(=2A*81 M &(; 45 2?5 45, F :=&?(&118 G 7,),(4 *8@,*6 4 A,',)6 &338;2 23 9),D2,(4,)3 9 3,): (3 45, :&44,) 5&; A,1 :, 4 :215 &4 =81 9 =2A*81 4&*@ 9) 84 4 9&8* 8( ),&158(? 45,8) ,&)3 5, ;,1*&)&48 (9 45,)&(1831&(45&4 583 15&**,(?, 7&3 &;;),33,; 4 &' (&) *& 58:3,*9 7&3 4 45,: 45, : 34 '&*2&A*, = 8(4 8(45, :&44,) 9 &' (&) *& 35 2*; ,(4,) 45D 98), 45,6 &)?2,; 5, 78** &332),;*6 A, A2)(,; M &(; 89 5,),923, 4 ; 3 7, 35&** A, &A*, 4 :&@, 9 583),923&* &34) (? 5&(;*, &?&8(34 588(7845 4A, =, =*, 45, :=&?(&118 &4 (, 9 45,8)),',*3 ;,4,):8(,; 45&4 4583 =) :838(? 8;,& 9 45,)&(< 1831&(9)8&) :234 (4 8(&(6 1&3, A, &** 7,; 4 9&** 4 45, ?) 2(;

24 84 7&3 9 2(; 4 A, ',)6 ;899812*4 4 8(;21, 45, 9)8?54,(,;)&(1831&(4 34&(; 4 583 8:=)2;,(4 15&**,(?,

,‘ 7&3‘ ,O1,,;8(?*6‘,&?,)‘ 4 ‘ A,‘ D284‘ 9‘ 45,‘ :&44,)‘ &(;‘ 45 2?54‘5,‘3&7‘45,.:,&(3‘ 9‘A,8(?‘3 ‘A6‘&;5,)8(?‘98):46‘ 4 ‘ 583‘ ;,1*&)&48 (‘ 45&4‘ 583‘ 15&**,(?,‘ 7&3‘ &;;),33,;‘ 4 ‘ &' (&) *&‘ 58:3,*9‘&(;‘ 45&4‘5,‘7 2*;‘5&',‘(458(?‘4 ‘ ; ‘ 7845‘)&‘ :,(81D‘ (‘ '&8(‘ 5,‘ 7&3‘ &332),;‘ 45&4‘ (‘ 5&):‘ 35 2*;‘ 5&==,(‘ 4 ‘ 58:ML 45&4‘ 45,‘ (*6‘ AH,14‘ 7&3‘ 4 ‘ 1&23,‘ &‘ ;8342)A&(1,‘2(;,)‘1 ',)‘ 9‘ 75815‘ 84‘ 7 2*;‘ A,‘ ,&36‘ 4 ‘ 98(;‘ &(‘ ==)42(846‘ 9‘ @8**8(?‘ &' (&) *&ML 45&4‘ 75,(‘45,‘458(?‘1&:,‘4 ‘45,‘ = 8(4‘45,6L 45,‘ :=&?(&118‘ L 7 2*;‘ 98(;‘ :,&(3‘ 9‘1&238(?‘45,‘75 *,‘ :&44,)‘ 4 ‘ A,‘ A) @,(‘ # 4‘7&3‘8:= 338A*,‘4 ‘A)8(?‘45,‘=)‘1&84899P3‘ 1 2)&?,‘4 ‘45,‘3481@8(?‘= 8(4M &(;‘45,‘24: 34‘45&4‘1 2*;‘ A,‘ A4&8(,,‘9) :‘58:‘7&3‘&‘),?2*&)*6‘38?(,;‘; 12:,(4‘8(‘ 75815‘5,‘ ;,1*&),;‘45&4‘5,‘7&3‘),&;6‘4 ‘ ,(4,)‘45,‘98),‘ 8(‘ 1 :=&(6‘ 7845‘ &' (&) *&‘ 89‘45,‘ :8(81&(‘)8)‘ 7 2*;‘ ',(4:P,‘ (‘45,‘);,&*

4‘ 7 2*;‘ 3,,:‘45&4‘45,‘2(5&==6‘ 7),415‘ =*&1,;‘ &(‘ 8:=*8184‘1 (98;,(1,‘8(‘45,‘1 : : (‘3,(3,‘ 9‘ &' (&) *&‘ 75815‘5,‘ ;,,:,;‘7 2*;‘ &332),;*6‘ =),',(4‘ 58:‘9) :‘ &44,:=48(?‘ &(6‘3215‘ &A32);846‘ 9‘1 2)3,‘5,‘5&;‘(‘ A,*8,9‘75&4,',)‘45&4‘,845,)‘5,‘)‘583‘ == (,(4‘7 2*;‘,31&=,‘ 45,‘,(48),*6‘(&42)&*‘1 (3,D2,(1,3‘ 9‘,(4,)8(?‘ &‘ A2)(8(?‘ I =8*,‘89‘,845,)‘35 2*;‘A,‘9 *.5&);6‘,(2?5‘4 ‘;‘3 ‘ (;‘ 5,‘ ;8;‘(4‘ ; 2A4‘45&4‘3215‘ &‘ :&(‘ &3‘ &' (&) *&‘7&3‘ ,D2&**6‘7,**‘=,)32&;,;‘ 9‘4583‘1,)4&8(46‘)&‘ :,(81 ‘ 5,‘),?&);,;‘ &3‘ &(‘ &;;*,.A)&8(,;‘,(45238&34‘75 ‘=,)5&=3‘ A,*8,'8(?‘45) 2?5‘8(3&(,‘9&(&48183:‘)‘=,)5&=3‘78 8(?‘4 ‘ 3&1)8981,‘583‘*89,‘8(‘45,‘1&23,‘9‘583‘)8)‘&(;‘583‘);,)‘ 7 2*;‘&A3 *24,*6‘A,‘ :&;‘,(2?5‘4 ‘1&))6‘ 24‘45,‘4,))8A*,‘ 9&)1,‘8(‘ ,&)(,34‘ 24‘&148(?‘2(;,)‘45,‘2)?,(4‘8(34&(1,3‘ 9‘45,‘ :=&?(&118‘7845‘ *9 ‘ =8(8‘&4‘45,8)‘5,&;‘)&‘)&(1,31‘3211,,;,;‘8(‘=,)32&;8(?‘&(‘2(9)42(&4,‘7),415‘ (,‘)&‘B82*8&(‘ (;8(,**8‘&‘9)8&)‘8(‘583‘ 7(‘1 (',(4‘4 ‘ ;,1*&),‘45&4‘5,‘7&3‘),&;6‘4 ‘?‘8(4‘45,‘98),‘7845‘)&‘ :,(81 ‘ 583‘=)‘ :&(‘ &*3 ‘75,(‘84‘1&:,‘4 ‘45,

=235 34) ', 5&);' 4 ' ,31&=,' 9) :' 45,' 4&3@' =) = 3,;' 4 ' 58: '&(;' 9) :' 45,' 5&(;3' 9' 45,' 1)2,* 9)8,(;3' 75 ' 7,),' 2)?8(?' 58:' 4 '84 ' 24' &4'*&34' 5,' 7&3' 8(;21,;' 4 '38?('45,' 15&**,(?,' 8(' ;2,' 9 8P: ' ;,1*&)8(?' &4' 45,' 3&:,' 48:,' =)' 7),415' F45&4' 5,' 7,** @(,7' 5,' 35 2*;' A,' A2)(,;M' A24' 45&4' 5,' ;8;' 84' 9)' 45,' 3&*'&48 (' 9' 3 2*3 G'J' (;'45,),2= ('&(45,)' 9)8&)' ('45,' =&)4' 9' 45,' :8(81&(3' 9' 4' &8P@' (,')&' &)8&(';,?*8' ?58'1&:,' 9)7&);' 75 '&*3 '38?(,;' 45,' 15&**,(?,'&(;' 8(48:&4,;' 583'),&;8(,33' 4 ',(4,)' 45,' 98),

7 '84' 1&((4' A24' A,' A3,)',;' 45&4' 4583' 18)12:34&(1,' 45) 73' :215' ; 2A4'(&6':&6'A,'1 (38;,),;'4 '1 (4)&;814' 45,' &33,)48 (' 45&4' &' (&) *&' 1 (3834,(4*6' 3,4' 583' 9&1,' &?&8(34' 4583' =) = 3,;' 4,))8A*,'&(;' 6,4' &A32);' =) H,14' 9' 45,');,&*' A6' 98),' 4' :&6'A,'4)2,' 45&4' 5,' 5&;' A*&:,;' 45,' ',).5 4' >,&*' 9')&' :,(81 '75815' 5&;' 1&23,;' &**' 45,' :83158,9'A6' 98)34' 4&@8(?' 2=' 45,' &A32);' 15&**,(?,' 9' 45,')&(1831&(' ' 24' 84' 1&((4' A,' A,*8,',;'9)'&(' 8(34&(4' 45&4' 45,')8)' 9' 4' &)@P3'&(;' 45&4')8)' &' (&) *&'1 2*;' (4' 5&',' =),',(4,;'5&;' 5,' 3 '15 3,('4583' 3,1 (;' 9' 583' 9* 1@' 9) :'1 :8(?' 9)7&);' 4 '9&18*84&4,' 45,'&))&(?,:,(4' 9' 45,' 315,:,' 75,(' 84' 5&;'),&15,;' 45,' ;,?),,' 9' =2A*81846' 1&(;' 8:=)4&(1,'84'5&;' (7'&332:,;' ,38;,3'84' :&6'A,'),:&)@,;' 45&4' 45,' 75 *,' 9' 45,' 1 (;214' 9' 45,' :' =&?(&118' 8(' 45,' :&44,)' &332:,;' 45,' 1,)4&8(46' 45&4' &' (&) *&' 7 2*;' &4' *,&34' A,' =),3,(4' &4' 45,');,&*' 75815' 7&3' 4 ' 4&@,' =*&1,' 8(' 45,' 0 "))"' "' "# 5,8)' 75 *,' AH,14' 8(' =) : 48(?' 4583' : (34) 23' 9&)1,' 7&3' 4 ' 1),&4,' &(' ==)42(846' 9)' *&68(?' 5&(;3' (' &' (&) *&' 583' 7&3' (' ,&36' :&44,)' 4 ' &11 :=*835M' 3 ' H,&* 23*6' 5&;' 5,' 9)' &' * (?' 48:,' =&34' A,,(' ?2&);,;' A6' 583' 9)8,(;3' &(;' 3 ' 7, ' 7&3' 84' @(7(' 45&4' 5,' 1 2*;' (4' &==,&)' 8(' 45,' 34),,43' 7845 24' ;&(?,)' 4 ' 583' *89,' 5,' 5 =,' 9' 45,' F' :=&?(&118'G' 7&3' 45&4' 89' 5&==8*6' 5,' 1 2*;' A,' ? &;,;

8(4 ' 4)68(?' 45,' :8)&1*,' 5,' 7 2*;' =,)835' 8(' 45,' 9*& : ,3M v
&(;' 45&4' 9&8*8(?' 4583' 45,' :&44,)' :8?54' A,' :&;,' 4 ' ,(;' 8(' &' - I
42 : 2*4' 2(;,)' 1 ',)' 9' 75815' 45,8)',(,:6' :8?54' A,' :2)<
;,),;' 24' 4583' 9' 1 2)3,' &332 : ,;' 583' =),3,(1,' (' 45,'
8&>>&

2)45,):),' 4583' 1 (38;,)&48 (' 1&((4' 9&8*' 4 ' 32??,34'
843,*9' 4 ' 45 3,' 75 '),&;' 45,' 75 *,' &11 2(4' 9' &' (&) *&P3'
1 (;214' &(;' =),&158(?' 7845' &44,(48 (' 2== 38(?' 58:'
4 ' 5&',' A,,(' ,(48),*6' 38(1,),' 8(' &*' 583' =) 9,338 (3' 9'
,O=,148(?' &*' (,,;92*' :8)&12* 23' 8(4,)= 3848 (' 8(' 583'
9&' 2)' 1 2*;' 5,' 5&',' ; 2A4,;' 45&4' 84' 8' 2*;' A,' :&(8<
9,34,;' 75,(' (4' (*6' 45,' *89,' 9' 583' 9),: 34' ;8318=*,'
7&3' &4' 34&@,' A24' 75,(' 8(' 45,' 9&1,' 9' &*' 2) =,' 45,'
&11,=4&48 (')'),H,148 (' 9' 583' 4,&158(?' 7&3' 4 ' ;,=,(;' ('
45,' 8332,' 9' 4583' &==,&*' 4 ' ,&',(b' 2),*6' 89' &' (&) *&'
75 **6' A,*8,',;' &*' 45&4' 5,' 5&;' ,',)' 3&8;' 5,' :234' 5&',
,O=,14,;' 45&4' 4583');,&*' 7 2*;' (4' A,' =,) :844,;' 4 ' ,(;'
8(' 583' 1 (924&48 ('&(;',34)2148 (' (;') 9,33)' 8**&)8' J'
&11);8(?*6' 5&3' (' ; 2A4' 45&4' 583' 5,)' 92**6' &(4818=&4,;' &'
4)82:=5&(4' ,(;8(?' 9' 45,');,&*' 24' 756' 45,('35 2*;'
45,')8&)' 5&',' A,,(' &(O8 23' &3' 5,' 2(D2,348 (&A*6' 7&3' 4 '
&' 8;' 45,' 4)8&*' b

4' :&6' &*3' A,' A3,)',;' 5,),' 45&4') 9,33)' 8**&)8' 8('
583' ',)6' 92**' &(;' *218;' &11 2(4' 9' 583' *&:,(4&A*,' &(;'
;83?)&1,92*' 8(18;,(4' ; ,3' (4' &3' 84' &==,&)3' 4 ' :,' D284,'
3&4839&14)8*6' :&@,' 24' 583' = 3848 (' 45&4' 45,' 8?( )6' &3'
3215' 4 @' =&)4' '845' 45,' F' :=&?(&118' G' 8(' 2)?8(?' (' 45,'
4)8&*' A6' 98),' 4' 83' 2(; 2A4,;*6' 1*,&)' 45&4' 84' 1 2*;' (4'
5&',' 4&@,(' =*&1,' 7845 24' 45,8)' =,):8338 (M &(;' 84' 83'
1,)4&8(' 45&4' &'*&)?,' F')&481&' G' 7&3' &33,:A*,;' 4 ' ;,18;,' ('
45,' D2,348 (' 75,45,)' 84' 35 2*;' A,' =,):844,;')' (4 L &'
18)12:34&(1,' 75815' 8(' 843,*9' ' 2*;' 3,,:' 4 ' 8(;81&4,' 45&4'
45,' 8?( )6' 7,),' (4' ,&?,)*6' A,(4' (' =2358(?' 84' (')

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5&;' 45,6'A,,(' 3 ' 84' 7&3' 1 :=,4,(4' 4 ' 45, :' 4 ' &** 7' 84 '
7845 24'1&**8(?' &' F')&481&'G'4 ' ;,*8A,)&4,' ('45,'D2,348 ('
('4583')&481&'G'45,),' 7,),' (4' 7&(48(?'1848>,(3' 9'3,(3,'
&(;' 1 2)&?,' ,(2?5'4 ')&83,' 45,8)' ' 81,3' &?&8(34' 45,' =) <
= 3,;' 781@,;(,33' 5,6' 7,),' (4' 9)8,(;3' 9' 45,')8&)'
75 ' 3= @,' 4523M' A24' 38:=*6' :,(' 9' 3,(3,' &(O8 23' 4 '
3&',' 45,8)' 1846'9) :' 3215'&';83?)&1,92*',058A848 (
24' =&338 (' &(;' =&)46'5&4),;')&(' 9&)' 4 ' 58?5' 9)' 45,'
' 81,' 9' : ;,)&48 (')' ,',(' 9' 1 : : (' 3,(3,' 4 ' A,'
5,&);' (;' &** 45,' 1846' 784*8' 45,' ,O1,=48 (' 9' 45,' ',)6'
9,7' 75 '),&**6' * ',;' *),(1,' A,44,)' 45&(' 45,8)' =&)46'
7,),' (7'&(O8 23' 45&4' 45,' ,O=,)8:,(4' 35 2*;' 4&@,' =*&1,'
5,' =,' 0&3' ,&?,)'9)' 84' &3' :&6',&38*6'A,'8:&?8(,;' 5,'
8?( )6'7,),' &4' &** ,',(43'9&' 2)&A*,'4 ' 84' 5,' F'))&A.'
A8&48'G'&(;'45,'F' :=&?(&118G'7,),';,4,):8(,;'(4'4 '* 3,'
3 ',O1,**,(4'&'15&(1,' 9'&4'*,(?45'8(' (,'7&6')'45,' 45,)'
1 :=&338(?' 45,' ;,34)2148 (' 9' 45,8)' ?),&4',(,:6' 5,'
F' 8&?((8'G'7,),' &4' *,&34',D2&**6';,38) 23' 45&4' 45,');,&*
35 2*;' 4&@,' =*&1,M 9)' 45,6';2A4,;' (4' 45&4' 84' 7 2*;'
),32*4'8('45,'?*)8 23'&(;'=*,(&)6'4)82:=5' 9'45,8)'=) =5,4'
&)8;' 45,' 1 (9238 (' 9' 45,8)' &;',)3&)8,3'' 5,6'92**6',O<
=,14,;' 45&4' 75,(' 45,' : :,(4' 9' 4)8&*' 1&:,' &' (&) *&'
7 2*;'(4' &** 7'583';8318=*,'&(;'9)8,(;'4 ',(4,)'45,'98,)6'=8*,'
&* (,'A24'7 2*;'58:43,*9 ? ' 8('7845'58:' &(;'7 2*;'1 :,'
24'9) :' 45,'4)8&*' 4)82:=5&(4' &(;'2(31&45,;' 24'45,),'
7&3'4583';899,),(1,' A,47,,('45,'7835,3' 9'45,'F' 8&?((8'G
&(;'45 3,' 9'45,8)',(,:8,3' 5,'9):,)' 9'1 2)3,'7,),'
&(O8 23' (*6'45&4'45,' ,O=,)8:,(4' 35 2*;' A,' 9&8)*6'&(;'
* 6&**6' :&;,' 92**6' 4)2348(?' 4 ' 32=,)(&42)&*' &8;' 9)' 843'
3211,3392*' 8332,' 5,8)' 9 ,3' 1&),;'*844*,'75,45,)' &')&(<
1831&(' 9)8&)')' 47 ' 7,),' A2)(,;' &*8',')' (4' 3 ' 45&4'
&' (&) *&' 7,),' A2)(,;' 7845'58:' 5,6'31 24,;' 45,'
(48 (' 9' &(6' :8)&12* 23' 8(4,)= 3848 (' (' ,845,)' 38;,M'
&(;'7,),' (*6'&(O8 23'45&4'89' &3' 45,6'45 2?54'7&3' :34'
=) A&A*,' ((,' 9' 45,' 15&:=8 (3' 35 2*;' A,' &4' 45,' *&34

: : ,(4' 8(3&(,' ,(2?5' 4 ' 34,=' 8(4 ' 45,' A2)(8(?' =8*,' 3215' ' &' ;8342)A&(1,' 35 2*;' &)83,' &3' 35 2*;' ,(&A*,' 45, :' 4 ' : &@,' 32),' 9' 45,')8&)P3' *89,

(' 45,' 34' 9' =)8*' &' (&) *&' =) (2(1,;' &' 35)4' ;831 2)3,' ('45,' 32AH,14' 9' 45,');,&*' 8(' 4' &)@P3' M &(;' 84' 83' 8 : = 338A*,' 4 ' &' 8;' =,)1,8'8(?' &' 1,)4&8(' &: 2(4' 9' 8(1 (3834,(16' &(;' '&18**&48 (' 8(' 583' 7);3' 75815' 3,, :' 4 '8(;81&4,' &' : 8(;' =,)=*,O,;' &(;' (4' 92**6' ;,18;,;' &3' 4 ' 45,' *8(,' 5,' 35 2*;' 4&@,' 8(' 4583' : &44,)' ,' 58 : 3,*9' 5,' 3&8;' 5&;' 4 ' ?),&4' &' 7)@' (' 583' 5&(;3' 9)' 58 :' 4 ' * 3,' 583' 48 : ,' 8(' 3215' : 83,)&A*,' 1 (4,343' J' &3' 45,3,' 24' 89' 583' &;',)3&)8,3' 8(3834,;' (' A*8?8(?' 58 :' 4 ' 32A : 84' 4 ' 3215' &' : ;,' 9' ;,18;8(?' 45,' ? ;(,33' 9' 583' 1&23,' &(;' 45&4' 9' 45,'),9) : &48 (' 9' 45,' 52)15' 45,(' F' ' 78** 8(' (' 783,' 5,384&4,' 4 ' ,(4,)' 8(4 ' 45,' 98),' &(;' 35 2*;' A,' : 34' 1,)4&8(' 9' 1 : 8(?' 24' 2(5&)(O,;G

24' 5,' @(,7' ',)6' 7,** 45&4' 45,' 1 (H2(142),' 5,' : ,(< 48 (,;' " ' &))8',;ML 45&4' 583' &;',)3&)8,3' ! ' * 2;*6' ;, : &(;8(?' 45&4' 5,' 35 2*;' 3,&*' 583' 4,348 : (6' A6' 4583' =) 9' ,' ? ,3' (' 4 ' 3&6' 45&4' 45,' A &34' 9' 45,')&(1831&(3' 45&4' 45,6' 7,),'),&;6' 4 ' *&6' ; 7('45,8)' *8',3' 8(' 4583' 1&23,' (*6' 7,(4' 4 ' 35 7' 45&4' 45,6' 7,),'),&;6' 4 ' A,1 : ,' 3,*9.' : 2);,),)3' F' 75,),&3' 7,' (' 45,' 1 (4)&)6' 1 : ,' 4 ' 45,' 1 (4,34' 15&**,(?,;' &(;' 1 : =,**,;' 4 ' &11,=4' 84' A,1&23,' 45,' 5 (2)' 9' B ;' &(;' 9' 45,' 9&845' 83' 1 : =) : 83,;G' 4' 3,,: 3' 34)&(?,' 45&4' 84' ;8;' (4' 112)' 4 ' 58 :' 4 '), : &)@' 45&4' 45,' A &34' 9' 45,')&(1831&(3' 45&4' 45,6' 7,),'),&;6' 4 ' ;8,' 8(' 45,' 1&23,' 1 (4)&;814,;' 45, :' 56= 45,383' 45&4' B ;' 7 2*;' ?8',' H2;? : ,(4' 8(' 45, :' 9&' 2)' A6' 1&238(?' 45, :' 4 ' 1 : ,' 24' 9) :' 45,');,&*' 2(52)4' (;' 4583' : &6' A,' ;,, : ,;' &(45,)',' '8;,(1,' 9' 45,' =,)42)A,;' 34&4,' 9' 583' : 8(;' &(;' 45,' &A3,(1,' 9' * ?81&*' 1*,&)(,33' 8(' 583' '8,7' 9' 45,' : (34) 23' &A3 : P;846' =) = 3,;' &5@,' A6' 583' 9)8,(;3' &(;' 583' ,(, : 8,3

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F' 5 3,' 75 ' 35&*' 4)2*6' 9, ,' 45, : 3,*' ,3' 8(3=8), ;' A6' 45, '
) ; v₱ 5,' ? ,3' ('4 ' 3&6 ' F 78*' 2(D2,348 (&A*6' 1 : ,' 24' 2(<
5&) : , ;' 9) :' 45,J9*& : ,3' 89' 45,' ,O=,)8 : , (4' 35&*' 4&@,' =*&1, '
9' 75815' 7 ,' &),' (4' 6,4' 1,)4&8(G' [34' 9' =)8*]' 24' 5,), '
&?&8(' 5,' 9)?,43' 45&4' 3215' &(' &33,)48 (' 3,43' &4' (2?54' 45, '
T75 *,' 45,)6' 9' 45,') ; ,&*' &3' 5,*;' A6' 58 : 3,*9' &3' 7 ,*' &3'
=) 9,33, ;' 4 ' A,' 5,*;' A6' 583' , (, : 8,3 ')' 84' 7&3' ',)6' = 3<
38A*, ' (&6' ',)6' =) A&A*, ' 45&4' A 45' =&)48,3' : 8?54' F' 4)2*6'
9, ,' 45, : 3,*' ,3' 8(3=8), ;' A6' 45,') ; M G' &3' ; 2A4*,33' 7&3'
45,' 1&3,' 7845' 45&4' =)' '8148 : ')&' &)8(' 75 ' =) 4,34, ;'
45&4' 5,' 7 , (4' 4 ' 45,' A2)(8(?' F' 9)' 45,' 3&*'&48 (' 9' 3 2*3 G
5, (' 5,'),42)(3' 4 ' 3&6 ' 45&4' &3' 9)' 58 : 3,*9' F' '),3,)', '
: 63,*9' 9)' &' ?),&4,)' 7)@' 9)' 75815' ' 35&*' &*7&63' A, '
: 34'),& ; 6' 4 ' ?8', ' : 6' *89, G' 24' 89₱ 84' 7 ,),' &' D2,348 (' 9'
38 : =*6' =&338(?' 45) 2?5' &' 98),' 2(5&) : , ;' &(;' 7845 24'
;&(?,)' A6' ; 8(?' 75815' 8(' 45,' : ,&(48 : ,' 583' 7)@' &(;' 583'
1&23,' &(;' 583' 8(9*2,(1,' 7 2*;' A,' ,( ) : 23*6' 8(1),&3, ; '
756' 35 2*;' 583' ; 8(?' 3 ' 8(4,)9,),' 7845' 583'),3,)'&48 (' 9'
58 : 3,*9' 9)' &' ?),&4,)' 7)@' b

F' 5,' 48 : ,' 78*' 1 : , G' 5,' 1 (48(2,3' F' 75,(' 45,') ;'
7 8**' : &(89,34' 32=,)(&42)&*' 38?(3M A24' 45&4' 48 : ,' &332), ;*6'
1&((4' A,' 98O, ;' &4' 78*' &(;' 15 81,' 9' &(6' : &(')' 45, '
=),3,(4' 84' 83' 3299818,(4' 45&4' 84' 35 2*;' A,' 3,,(' 45&4' A6'
3,(;8(?' 4 ' 45,') ; ,&*' 3 : ,' (,' 9' 2)' 9)8&)3' 7 ,' ,D2&**6'
,O= 3,' 2)3,*' ,3' 4 ' 45,' &(?,)' 9' 45,' =, =*, ' 8(' 1&3,' 45, '
) ;' 35 2*;' (4' 1&23,' 58 : ' 4 ' 1 : ,' 24' 2(5&) : , ;' 9) :'
45,' 9*& : ,3 G

4' : 234' (4' A,' 8 : &?8(, ;' 45&4' 84' 5&3' A, ,(' 8(4, (; , ;' 8('
45,' 9),? 8(?'), : &)@3' 4 ' 8(38(2&4,' 45&4' &' (&) *&' 7&3' (4'
78**8(?' &(;'),& ; 6' 4 ' ?8', ' 583' *89,' 9)' 45,' =) : 48 (' 9' 45, '
7)@' 5,' 5& ;' 8(A&(; ' ,' : 234' 5&', '@(7 (' 45&4' 45,' 1 2)3, '
5,' 7&3' =2)328(?' =*&1, ;' 583' *89,' 8(' 8 : : 8(, (4' &(;' ;&8*6' ;&(?,)'
24' 84' 3,, : 3' 4 ' : ,' 45&4' 45,' 34)&(?,*6' 8** ?81&*' &(;' 1 (4)&<
;814)6' 244,)&(1,3' 45&4' 5&', ' A,, (' 184, ; ' 35 7' ; ,1838', *6'
,(2?5' 45&4' 45,' : 8(;' 9' &' (&) *&' 7&3' (4' 1*,&)' &(;', (48O.,

w(' 4583' : &44,)' ,' ;83&==) ',3' 9'4583'); ,&*'6,4' =) 9,33,3' 583' =,)9,14'1 ('8148 (' 9'843' ,(48),'Y,9981&16'9)'45,' 32),' &(;' 3&4839&14)6'3 *248 (' 9'45,' &**.8 : =)4&(4'D2,348 (' 75815' 84' 7&3' ;,'83,;' 4 ' ;,18;,' ,' ;,1*&),3' 583'),&;8(,33'4 ' ,(4,)' 45,' 98),' 89' &'1,)4&8(' 1&3,' 35 2*;' &)83,' 75815' 5,' 7,** @(,7' 5&;' &)83,(M &(;' 6,4' &4' 45,' 3& : ,' 48 : ,' =) 4,343' 45&4' 5,' 78** ; ' (458(?' 9'45,' 3)4Q

),' 7,' 1 (8=,**,;' 4 ' 8 : =24,' 4 ' &' (&) *&'8(' P,'8'8(?' 4583' =&8(92** 8(18;,(4' 9' 583' 34)6'3215' &' 7&(4' 9' A,*8,9' 8(' 583' 7(' ,: =5&481'&33,)48 (3'&3'),(;,),;' 58 : ' &(O8 23' 4 ' &' 8;' 4583' =) = 3,;' 4,34' 89' 5,' 1 2*;' 98(;' 45,' : ,&(3' 9' ; 8(?' 3 ' 7845 24' 1 : =) : 838(?' 583'),=24&48 (M &(;' 8 : < =,**,;' 58 : ' 9&8*8(?' 4583' :),' ;,38)&A*,' 8332,' 9' 45,' &99&8)' 4 ' =),9,)' 45&4' &' 32A);8(&4,' 35 2*;' : &@,' 45,' 4,))8A*,' &44,: =4' 8(' =*&1,' 9' 58 : 3,*9b')' 78** 84' A,' 3299818,(4' 4 ' &44)8A24,' 583' '&18**&48 (3' &(;' 1 (4)&;8148 (3' 4 ' 45&4' A312<)&48 (' 9'8(4,**,14' =) ;21,;' A6' 45,'4 ' 1* 3,'1 (4&14' 9' 45,' : 8(;' 7845' 45,' : (34,).=, =*,;' 1* 2;.7)*;' 9' 32=P,).' (&42)&*83 : ' 75815' 2(1,&38(?*6' =) 4,34,;' &?&8(34' &3' 84' 83' A6' 45,' ,',)*&348(?' 92(;&: ,(4&** *&73' 9' 2)' (&42),' 5&3' ;8 : : ,;' &(;' ;834)4,;' 3 ' : &(6' &(' 8(4,**8?,(1,' &3' A)8?54' &(;' = 7,)92** &3' 583' b

4' *&34' 45,' !'45' 9' =)8** 7&3' &== 8(4,;' 9)' 45,' ,O,12< 48 (' 9' 45,');,&*M' &(;' 84' 7&3' 98(&**6' ;,4,) : 8(,;' 45&4')C' : ,(81 ' (' 45,' =&)4' 9' 4 ' &)@' &(;')&' B82*8&(' (;8(,**8' (' 45,' =&)4' 9' 45,')&(1831&(3' 7,),' 4 ' A,' 45,' 47 ' 15&: =8 (3' 24' (' 45,'',',(8(?' 9' 45,' 45 ' 45,' 8?( )8&' 3,(4' &' : ,33&?,' 4 ' 4' &)@P3' 4 ' 3&6' 45&4' 45,' ,O=,)8 : ,(4' 7&3' 4 ' A,' =24' 99' 48**' 45,' N45 ' (;' 45,),' 83' ,'8;,(1,' 75815' ? ,3' 4 ' 35 7' 45&4' 45,' AH,14' 9' 45,' 8?( )6'8(' 4583' ;,*&6' 7&3' 4 ' ?8',' 48 : ,' 9)' 45,' &))8'&** 9' &' A)8,9' 9) :')(,' 75815' 45,6' 5 =,;' : 8?54' 9)A8;' 45,' ,O,1248 (' 9' 45,' =) H,14')' 84' 7 2*;' 3,, : ' 45&4' &4' 45,' *&34' 5 2)' 45,' ? ',)(: ,(4' 5&;' : 83?8'8(?3' &(;' 7&3' &9)&8;' 9' 45,'),3= (38A8*846' 84' 7&3' &A 24' 4 ' &332 : ,

!
WUX

P 24' (' 321*8' A)8,9' 1& : ,M 45,' 1846' 7&3' ?),,;8*6 ' 8 : =&H'
48,(4' 9)' 45,' (,7' &(;',O1848(?' 3=,14&1*,' M &(;' 45,),' 7&3' ('
92)45,)',O123,' 9)' ;,*&6

5,' &**' A24' (4)8 23' 8(4,(48 (3' 9' 45,' F' : =&?(&118 G'
(' 45,' (,' 5&(;' &(;' 323=818 (3' 9' 9 2** =*&6' (' 45,' 45,)'
: &;,' 84' &A2(;&(4*6' (,1,33&)6' 9)',845,)' =&)46' 4 ' 4&@,' &**'
45,' :,&(3' 84' 1 2*;' 4 ' =) '8;,' 9)' 45,' =),3,(1,' (' 45,'
31,(,' 9' &148 (' 9' &(' &: 2(4' 9' &) :,;' 9)1,' 3299818,(4' 9)'
&44&1@' (' 45,' (,' 5&(;' &(;' 9)' ;,9,(1,' (' 45,' 45,)'
5,' 0 "))"' 45,),9),' 7&3' 112=8,;' A6' &' 9)1,' 9' 98','
52(;),;' 3 *;8,)3' 8(' 45,' =&6' 9' 45,' 8?( )6 ' 2(;,)' 45,'
1 : :&(;' 9' B8 '&1158(' ;,**&' ,1158&M A6' 98',' 52(;),;'
&) :,;')2998&(3' 8(' 45,' =&6' 9' 45,' F' : =&?(&118 G' 2(;,)'
45,');,)3' 9' *9 ' =8(8M &(;' A6' 45),,' 52(;),;' 9&84592*'
9 ** 7,)3' 9' 45,')&4,' 1 : :&(;,;' A6' &)=2118 ' &*'8&48'
5,' =,(8(?3' 9' 45,' 34),,43' *,&;8(?' 8(4 ' 45,' 8&>>&' 7,),' &**'
1* 3,;M &(;',',)6' = 338A*,' 8(15' 9' '&(4&?,' ?) 2(;' &(;' 45,'
78(; 73' &(;') 93' 9' 45,' 5 23,3' 7,),' 4581@*6' 1) 7;,;'
7845' 45,' = =2*&1,' &(O8 23' 9)' 45,' =) : 83,;' 38?54

5,' : &?(8981,(4' 2 "' ' 2)' 8(' 45,' 0 "))"' "'
;8'8;,;' 8(' 5&*9' A6' &' A &);8(?M &(;' 45,' 5&*9' 9' 84' (,&),34'
45,' =&*&1,' &338?(,;' 4 ' 45,' : 8(81&(3' &(;' 45,' 45,)' 5&*9'
4 ' 45,8)')8'&*3' &(;' ,(,:8,3' 45,')&(1831&(3' &' (&) *&'
5&;' 3=,(4' 45,' :)(8(?' 8(' &; : 8(834,)8(?' 45,' 3&1)&: ,(4' 4 '
583' 9)8&)3' &(;' 8(' =) (2(18(?' &(45,)' 35)4' ;831 2)3,' 4 '
45,' =, =*,' : &8(*6' 7 : ,(' [9)' 45,' : ,(' 7,),' 8(' 45,'
0 "))" G 75 ' 45) (?,;' 45,' 152)15' 9' 4' &)@' 058*,'
5,' 7&3' 6,4' 4523' ,(?&?,;' 45,' : &1,.A,&),)3' 9' 45,' 8?( )6 '
&))8',;' 4 ' &((2(1,' 45&4' &** 7&3'),&;6' 8(' 45,' 0 "))"#

)457845' 45,' : 8(81&(3' 4 ' 45,' (2 : A,)' 9' &A 24' 47 '
52(;),;' 9) :,;' 45,: 3,*',3' 8(4 ' =) 1,338 (' 7845' 45,'
15&: =8 (' 9' 45,' ;&6')&' : ,(81 ' &4' 45,' 5,&;' 9' 45,: '
32==)4,;' A6'47 ' 9' 583' 1 : =&(8 (3' 75 ' 5&;' A,,(' &(O8 23'
4 ' 35&),' 583' ,(4,)=)83,' &(;' ;),33,;' 8(' &' 1)8 : 3 (' ',*',4'
1&=,' 7845' &* (?' 1) 33' 8(' 583' 5&(;3K' ,58(;' 58 :' 7&*@,;

&' (&) *&' 1* 45,;' 8(' 7584,' &(;' 1&))68(?' 45,' 34' 523' &))&(?,;' 45,'=) 1,338 (' 4 @'843' 7&6'4 ' 45,' 0 "))"' WUX#
15&(48(?' &* 2;' &3' 45,6' 7,(4' 45,' =3&*:' F ,4' B ;' &)83,'
&(;' *,4' 583'ſ,(,:8,3' A,' 31&44,),;G' 5,6'),&15,;' 45,'
0 "))"' &A 24' :8;;&6' &(;' =&1,;'47 ' A6'47 ' 45) 2?5'45,'
5,;?,' 9' &):,;' :,(' 8(4 ' 45,' =,(' 3=&1,' &(;' 8(4 ' 45,'
?&>,' 9' 45,' ,&?,)' &(;' 12)8 23' 45 23&(;3' 75 ' 5&;' A,,('
7&848(?' 9)' 45,:' 45,),' 38(1,',&)*6' :)(8(?' 5,6'1) 33,;'
45,' 0 "))"' &(;' 4 @' 2=' 45,8)' 34&48 (' 8(' 45,' =&)4' 9' 45,'
2 '" &** 44,;' 4 ' .45,:' : :,;8&4,*6' 8(' 9) (4' 9' 45,'
2 '" 7&3';)&7(' 2=' 45,' &):,;' A&(;' 9' 45,8)' 9)8,(;3'
2(;,)' &*'8&48';' 45,'3 *;8,)3' 9'45,' 8?( )6'7,),';834)8A24,;'
&) 2(;' 45,' 0 "))"' 4 ' @,,=');,)' &(;' 1* 3,' 45,' =,(8(?3'
9'45,' 34),,43' &11);8(?' 4 ' &(18,(4'1234 :' (' &**' 11&38 (3'
9' =2A*81' ; 8(?3' 8(' 45,' ?),&4' 3D2&),'M &(;' 45,' :=&?.'
(&1,8' 7,),' ;)&75' 2C' 2(;,)' 45,' ',).5&(?8(?' H ' 4
0 " ' 45&4' A28*;8(?' == 384,' 4 ' 45,' 0" "))' ' 1&**,;'
A,1&23,' 84' 5&;'.A,,(' A28*4' A6'45,' 9)1,;' *&A 2)' 9' 83&('
=)83 (,)3' 75815' 8('),1,(4' 48:,3' 5&3' A,,(' 45,' 3,&4' 9'45,'
D34' 9981,

J :::,;854,*6' 8(' 9) (4' 9' 45,' 2 "' &(;' ,O4,(;8(?'
*,(?457 83,' 9)' 9)46' " "L &A 24' 3,',(46.380' 9,,4 L.'
A,47,,(' 45,'?&4,' 9' 45,'=&*&1,' &(;' 45,' H ' ' 0 " '
7&3' 45,' =8*,' 4' 1 (3834,;' 9' &' =*&49):' 9' 45,' *,(?45'
34&4,;' (,&)*6' 4,(' 9,,4' 78;,' &(;')&83,;' &A 24' 9 2)' 9,,4'
9) :' 45,' ?) 2(;' &(;' =&',;' 7845' A)81@' (' 4583' *&)?,
J:&33,3' 9'9&?? 43' 7,),' 3 ';83= 3,;' &* (?'45,' ,(48),'*,(?45'
&3' 4 ' *,&',' &(' =,(8(?' &4' ,845,)' ,(;' &(;' &'9),,' =&33&?,'
&A 24' 47 ' 9,,4' 78;,' 8(' 45,' 8(8;;*,' 5,' 7 ;' 7&3'
1 =8 23*6' 3=)8(@*,;' 7845' 8*' &(;'),38(23' :&44,)3' 4 ',(3:J,'
45,' 98,)1,(,33' 9' 45,' 98),' (;'45,' : ;' 9');,&* 980,;'
(' 7&3' 4583' L 05,(' 45,' 98),' 35 2*;' 5&',' ,(',* =,;' 45,'
:&33' 45,' 15&:=8 (3' 7,),' 4 ',(4,)' &4' 45,' =,(8(?' (,&),34'
4 ' 45,'=&*&1,' &(;' =) 1,,;' 4 ' 45,' 92)45,)' ,(;'M &(;' 45,'
,(4)&(1,' 7&3' 4 ' A,' 8:::,;8&4,*6' 1* 3,;' A6' 98),' A,58(;
0 &'

I*883 1 : =&(8 (3 0 5, (' 4583 5&;' A, , (' ; (, ' 45, 6' 8(3834, ;' 45&4' 5,' 35 2*;' (4' 34&(;' (,&)' &' (&) *&' 9)' 9,&)' 45&4' ?), &4' : &?818&(' 35 2*;'), (, 7' 583 3=, **3 &(;')C : , (81 ' &11) ;8(?*6' =*&1, ;' 58 : 3, *9' & : 8 ;' 45,')&(1831&(' 9)8&)3 8(' 45,8)' 5&*9' 9' 45,' 2 "# 9' 1 2)3,' 75&4' 7&3'), &**6' 5 =, ;' 9) : ' 4583' : ', ' 7&3 45&4' 45,' 15& : =8 (' 9' 4' &)@' : 8?54' 9&8*' 8(' 583' 1 (34&(16' &(;' 9&845' 175, (' 4523'), : ', ;' 9) : ' 45,' :), ' 2(D2, 348 (&A*, ' 3=, **' 9' &' (&) *&P3' 8(9*2, (1, ' ',)' 583' ; 8318=*, 3

**' 4583' 48 : , ' 45,')&(1831&(' 15& : =8 ('5&;' (4' &==, &), ; A24'), : &8(, ; ' 4 ?, 45,)' 7845' 583' 32==)4,)')&')&(1, 31 ' 8(' 45, ' 0" ")) ' 0 B ' &(;' 45, (1, ' 3, (4' 24J &' : , 33&?, ' &4' 4583' = 8(4' 9' 45, ' =) 1, , ; 8(?3' 4 ' ; , : &(;' &(45,)' 1 (9,), (1, ' 7845' 45,' 8?( )6

24' (' 4583' 45,' =&48, (1, ' 9' 45,' : 2*4842 ; , ' A, ?&(' ',)6' =,)1, =48A*6' 4 ' A, ' , 05&234, ; ' ' ; , , =' : 2) : 2)')&(') 2(;' 45,' 1) 7 ; , ;' 38; , 3' 9' 45,' 0 ")) " ' &(;' 3, ; 848 23' &(;' : , (&18(?' 1)8, 3' 8(1), &38(?' , ',)6' : : , (4' A, ?&(' 4 ' A, ')&83, ;' 8(' &** =&)43' 9' 84' (;' 4583' 7&3' =), 183, *6' 75&4' 45, ' 85=&?(&118' 7,), ' 7&848(?' 9)' (, ' 9' 45, 8)' =&)46' 4&@8(?' &; '&(4&?, ' 9' 45,' = =2*&)' ; 831 (4, (4' 3211, , ; , , ;' 8('A, ?8((8(?' &' ; 8342)A&(1, ' 75815' ',)6' D281@*6' A, 1& : , ' ?, (,)&*' &(;' 8(' &' : : , (4' 45,' , (48), ' 0 ")) "' 7&3' 98**, ;' 7845' 1 (9238 (' &(;' 42 : 2*4' 5,' = =2*&1, ' 3524' 8(' A6' 45,' 3 *; 8,)3' 75 ' ?2&); , ;' &** 45,' 24*, 43' 9) : ' 45,' 3D2&), ' : &; ,' &')235' 4 7&); 3' 45,' =&*&1, M &(;' 45,' F'))&AA8&48 G' 3, 8>8(?' 45, ' ==)42(846' ; &35, ;' 9)7&); 3' 4 7&); 3' 45,' 2 "' 8(' 45, ' 5 =,' 9' ?, 448(?' = 33, 338 (' 9' T &' (&) *&P3' =,)3 (' 24' &)12118 ' &*'8&48' &(;' 45,' 34&*7&)4' A2)?5,)3' 2(; ,)' 583' 1 : : &(; ' 9) : , ;' 45, : 3, *', 3' 8(' &' 3,))8, ;' *8(, ' 8(' 9) (4' 9' 45&4' =&)4' 9' 45, ' 2 "' 8(' 75815' 45,' : 8(81&(3' 7,), ' 34&48 (, ; M &(;' &*'8&48' ;)&78(?' &' *8(, ' (' 45,' ?) 2(;' 7845' 583' 37) ; ' 1)8, ;' &* 2; ' 45&4' 45,' : &(' 75 ' 1) 33, ;' 84' 35 2*;' 4)6' 45,' : , 4&** 9' &)12118 ' &*'8&48P3' &) : 3 G' (;' 583' ' 81,' &(;' &44842; , ' 7&3' 3215' 3&6' 45,' *;' A8 ?)&.

WX[' # ' ' ' ' '

WUX[O] =5,)3' 9' 45,')8&)' 45&4' (' :&(' 7&3' ;83= 3,;' 4 ' &;'&(1,' 4' 45,' 3&:,' 48:,' 45,' 3 *;8,)3' 9' 45,' 8?( )6' A,8(?' 9),8?(,)3' &(;' 2(;,)34&(;8(?' *844*,')' (458(?' 9' 45,' AH,143' &(;' =&338 (3' 45&4' 7,),' =) ;218(?' 45,' ;8342)A&(1,' A24' 3,,8(?' 45,' = =2*&1,')2358(?' 4 7&);3' 45,' =&*&1,' ;) ',' 45,:' '8?) 23*6' A&1@' 4 ' 45,8)' =*&1,3' &) 2(;' 45,' 0 "))"#

:=&)&48',' 1&*:' 5&'8(?' 4523' A,,('),34),;' &(;' 45,' &44,:=4' 9' 45,' :=&?(&118' 5&'8(?' A,,(' A&99*,;' 45,' =, =*,'),42)(,;' 4 ' 45,8)' &44842;,' 9',&?,)' ,O=,14&48 (' &(;' 45,' 8?( )6' 7,),' &4' 45,8)' J7843' ,(;' 4 ' @(7' 5 7' 4 ' A)8(?' 45,' :&44,)' 4 ' &' 1 (1*238 (' 4' 45&4' : :,(4' &' 32;;,(' &(;' 5,&'6' 35 7,)' 9')&8(' 7845' :215' 452(;,)' &(;' *8?54< (8(?' 1&:,' ('M &(;' 45,),' 7&3') :' 4 ' 5 =,' 45&4' 4583' :8?54' A,' 45,' :,&(3' 9' 3,(;8(?' 45,' =, =*,' 4 ' 45,8)' 5 :,3' &(;' 92)(8358(?' &' =),4,O4' 9)' 1&))68(?' (' 45,' 7),415,;' A238(,33' 8(' 5&(;' (' 92)45,)' 24' 45,' = =2*&1,' 7,),' 4 ' :215' ,O184,;' &(;' 4 ',&?,)' 9)' 45,' =) :83,;' 3=,14&1*,' 4 ' A,' A&2*@,;' 9' 84' A6' &' 452(;,).35 7,)' 5,6'),:&8(,;' 4 ' &' :&(' 8(' 45,8)' =*&1,3'M &(;' 8(' &' 35)4' 48:,' 45,')&8(' 1,&3,;' &3' 32;;,(*6' &3' 84' 5&;' A,?2(

' 4583' 48:,' 45,')&(1831&(' 9)8&)' 5&;' (,',)' (1,' ;&),;' 4 ' 1 :,' 24' 9' 45,' 0" "))' 0' # 24' 583' 9)8,(;3' A,?&(' (1,' &?&8(' 4 ' =24' 9)7&);' (,7*6.8(',(4,;' ;8998< 12*48,3' 5,' (,O4' 7&3' &' =&)4812*&)*6' 7,.8:&?8(,;' AH,148 ('M A,1&23,' 84' &4' (1,' ?&',')83,' 4 ' &' 315 *&3481' ;83=24,' 75815' =) :83,;' 4 ' 112=6' &(6' D2&(4846' 9' 48:,' 45,' ;83=24&(43' :8?54' 15 3,' 4 ' 3=,(;' ('84' 5,' 1)21898O' 75815')V' :,(81 ' 1&))8,;' 5&'8(?' A,,(' AH,14,;' 4 ' 5,' 5&;'),*8(D2835,;' 84' &(;' 3&8;' 45&4' 5,' 7 2*;' ,(4,)' 45,' A2)(8(?' =8*,' 7845' 45,' 34' 8(' 583' 5&(;3' 5,),2= (' & 4,))8A*,' 241)6' 7&3')&83,;' A6' 45,')&(1831&(3' 45&4' 45,' 8:=8 23' 7),415' 7&3' :8(;,;' 4 ' 1&23,' 45,' *6' *,:,(43' 4 ' =,)835' 8(' 45,' 98),' 7845' 58:' ' (;' &' (&) *&' &(;' 583' ;8318=*,' 8(34,&;' 9' 38:=*6' ?8'8(?' 2=' 45,' (48 (' 9' 1&))68(?' 45,' 34' 8(4 ' 45,' 9*&:,3' 9,**8(4 ' 45,' 4,:=4&48 (' 9' =,(8(?

WUX#

&' *,&)(,;' ;8312338 (' (' 4*8,' 32AH,14' (' &(6' 1&3,' 45,6' :&8(4&8(,;' 45,' &1118;,(43' (*6' 9' 45,' 3&1)&:,(4' 7 2*;' A,' ;,34) 6,;' A6' 45,' 98),M' 45,' ,33,(48&*' 32A34&(1,' 45,), 9' 7 2*;'),:&8(' 2(4 215,;' (;' 45,6' 184,;' :&(6'*,&)(,;' 7)84,)3' 8(' 32==)4' 9' 4583' '8,7' 9' 1 2)3,' 45,8)' &;',)< 3&)8,3' 7,),' (*6' 4 ' 5&==6' 4 ' 1 : :,(1,' &' A&44*,' (' 4583' ?) 2(;' 75815' =) :83,;' 4 ' =24' 99' 45,' ,O,1248 (' 9' 45,' ;),&;,;');,&* 8(;,98(84,*6' (;' 45,' 8?( )6' 4&@8(?' &;'&(4&?,' 9' 4583' 3,(4' &' :,33&?,' 758*,' 45,' ;83=24&(43' 7,),' 348** 8(' 5 4' &)?2:,(4' 4 ' ;,1*&),' 45&4' 45,' ,O=,)8:,(4' 9' 45,' 98),' 1 2*;' (4' A,' &** 7,;' 4 ' 4&@,' =*&1,

5,),2= (' 45,' 8(;8?(&48 (' &(;')&?,' 9' 45`' A&2*@,;' &(;' ;83&== 8(4,;' = =2*&1,' @(,7' (' A 2(;3' (;' &** =&)48,3' 7,),' ,D2&**6' ;83&== 8(4,;' &(;' ,D2&**6' &(?)6' ' (,' 9' 45,:' 5&;' 3211,,;,;' 8(' 843' 3=,18&* &8:3' &(;' 7835,3' 5,' F'))&AA8&48'G' &(;' F' :=&?(&118'G' 5&;' 9&8*,;' 4 ' &11 :< =*835' 45,' :2);,)' 9' &' (&) *&' 5,' F' 8&?((8'G' 5&;' 9&8*,;' 4 ' &44&8(' 45&4' 4)82:=5&(4' '8(;81&48 (' 9' 45,' 4)245' 9' 45,8)' =) =5,4P3' ; 14)8(,' &(;' 5,&',(*6' :8338 (' 75815' 45,6' 5&;' 3 ' 1 (98;,(4*6' &(4818=&4,;' **' &*8@,' &94,)' 5 2)3' 9' ,O=,14&(4' 7&848(?' 9&348(?' &(;' ;),(15,;' A6' 45,')&8(' 5&;' A,,(' A&2*@,;' 9' 45,' ,O1848(?' 3=,14&1*,' 4 ' 7 5815' 45,6' 5&;'* @,;' 9)7&);' 7845' 3215'8(4,(3,'12)8 3846'&(;'8(4,),34' **' &*8@,' A,*8,'8(?' 9)8,(;3' &3' 7,**' &3' 31 998(?' 9 ,3' = 2),;' 9)45' 45,' =58&*3' 9' 45,8)' 7)&45' 2= (' 45,' 2(5&==6' =) =5,4' 5,' 5 348*,' 8?( )6' ;,1*&),;' &(;' 3=),&;' &A 24' 7845' 2(A*2358(?' ,99) (4,)6' 45,' *8,' 45&4' &' (&) *&P3' 9,&)3' 5&;' =),',(4,;' 45,' ,O,1248 (' 9' 45,');,&*' &(;' 45&4' 1 (3,< D2,(4*6'583' 15&)&14,)' &3' &' 15&)*&4&(' &(;'8:= 34)' 7&3' 5 ' * (?,)' ; 2A492*' 5,' 9&*3,')&(1831&(3' 7,(4' &A 24' 45,' 1846' A &348(?' 9' '814)6' 7845'&' A)&>,(.9&1,;' &2;&1846' 45&4' 4 @'843' 12,'9) :' 45,'35&:,*,33'9&*3,5 ;3' 9' 45,8)' 32=,)8)3' (;L 1)2,**,34' 124' 9' &** L 45,' ;83&== 8(4,;' F' 8&?((8'G' 7,),'* 2;' 8('45,8)' ;,(2(18&48 (3' 9' 45,8)' =) =5,4P3' 9&8*2),' 4 ' &158,',' 45,' 92**' &(;' ?*)8 23' '814)6' 75815' 5,' 5&;

WX ‘ # L ‘ ‘ ‘ ‘ ‘

-‘ 45, : ‘ (;‘ 756‘ 45,6‘ &3@,;‘ 5&;‘ 5,‘ 4523 9&8*,;‘ƀ 5,),‘ 7&3‘ 45,‘ &33, : A*,;‘ 1846‘8(‘ ,&?,)‘ ,O=,14&< 48 (‘ 9‘ 45,‘ 4,34‘ 5,),‘ 7,),‘ 45,‘ ,(, :8,3‘),&;6‘4 ‘ A,‘ 1 (9 2(;,;‘ 5,),‘ 7&3‘ 45,‘ =8*,‘ (*6‘ 7&848(?‘ 9)‘ 45b‘ 4)15‘ 0 56‘5&;‘ &' (&) *&‘ (4‘ ,(4,),;‘ 84‘ƀ 0 56‘ (4‘ 5&',‘ ,(4,),;‘ 45,‘ 9*& : ,3‘ &* (,‘ 89‘ (,,;‘ 7,),b‘ 0 5&4‘ : &44,),;‘ 84‘ 45&4‘ ⊮5,‘ 7),415,;‘)&(1831&(‘ 45,‘ : 83,)&A*,‘ ;2=,‘ ?(;‘ 4 *‘ 9‘ 45,)3‘ 7,),‘ A2)(,;‘)‘ 75,45,)‘ 5,‘ ,31&=,;‘ A6‘&‘ 4,)?8',)3&48 (‘ 7581 5‘ ,D2&**6‘?&',‘ 45,8)‘38;,‘ 45,‘ '814 86‘89‘ (*6‘45,8)‘ =) =5,4‘ 5&;‘ @(7(‘5 7‘4 ‘ 3,8>,‘ 84‘ƀ 6‘‘ 7ℙ56‘ ;8;‘ (4‘ &' (&) *&‘ 34,=‘ &* (,‘8(4 ‘45,‘98),‘ &(;‘ =,)9) :‘ 45,‘ : @&1*,‘ 5,‘ 5&;‘ &((2(1,;‘ &3‘1,)4&8(‘4 ‘ 9 ** 7‘ƀJ

,3ℚ 4583‘ 7&3‘ 45,‘ 1)2,**,34‘ 124‘ 9‘ &**‘ 4 ‘45,‘ =) =5,4ℙ3‘ 5,&)4‘8(‘45&4‘5 2)‘ 9‘52 : 8*8&48 (‘ⅯL 1)2,*‘ 7845‘ 45,‘52(?)6‘ 1)2,*46‘ 9‘ &‘ 3=,14&1*,.* '8(?‘ = =2*&1,‘ (‘ 45,‘ 3,&43‘ 9‘ &‘ ?*&;8&4)8&*‘ &),(&‘32=,)&;;,;‘4 ‘45,‘ 1)2,*46‘ 9‘ &‘ A&2*@,;‘ &(;‘52 : 8*8&4,;‘9&148 (‘

24‘ 7,),‘ 45,‘ F‘ 8&?((8‘G‘ &*4 ?,45,)‘ 7 (?‘)‘ 2(<),&3 (&A*,‘ 8(‘ 45,8)‘ &)?2 : ,(43b‘ &' (&) *&‘ 5&;‘ * 2;*6‘ &(;‘ : 34‘ , : =5&481&**6‘ &33,)4,;‘ 45&4‘ 45 3,‘ 75 ‘35 2*;‘ ,(4,)‘45&4‘98),‘8(‘45,‘3=8)84‘ 9‘2(; 2A48(?‘9&845‘&(;‘A,*8,',‘ 8(‘ 45,‘)8?54, 23(,33‘ 9‘45,‘ſ1&23,‘4 ‘ 7581 5‘45,6‘ 1*&8 : ,;‘ 45,‘ 4,348 : (6‘ 9‘ ,&',(‘ 7 2*;‘ 2(; 2A4,;*6‘ 1 :,‘ 24‘ 45,),9) :‘ 2(5&) : ,;‘ 2*;‘ 84‘ A,‘ 32== 3,;‘ 45&4‘ 45,‘ A2)(8(?‘ 9‘ &‘ :83,)&A*,‘ 9)8&)‘ 7&3‘ (,1,33&)6‘4 ‘45,‘ =,)9) :< &(1,‘ 9‘ 4583‘ :8)&1*,‘ƀ 0 2*;‘ &' (&) *&‘ 5&',‘ A,,(‘ A2)(,;‘ A,1&23,‘45,ℙ 45,)‘ 7&3‘ ‘ A2)(,;‘ƀ 0 5&4‘ 7&3‘ 7&(4,;‘ 9)‘ 45,‘ ;,98(848',‘ 4)82 : =5‘ 9‘ 583‘ &(;‘ 45,8)‘1&23,‘ 7&3‘ (4‘45,‘A)(:8(?‘ 9‘45,‘)&(1831&(‘A24‘45,‘ : 2&1*, L

‘⁄ *4: :48394.4‘ #1,348‘ 4,36.14.8@,5‘4.69‘+,4‘444‘ :<85‘D+4‘ *4: :4B 8394.4‘ #1,348‘ 9@18248‘24E‘444‘ :<85‘+4⁄ 8394‘ =1,346‘94‘ 436.76‘69‘ 436.76‘W U ‘+,4‘4‘55‘WUW?‘ 5‘4 4,+8..4‘ 8)E4‘ =1,346‘!6247‘96>24‘ 3*941‘ ,=6‘+,4‘DD4‘55‘WW‘ ‘ 5‘4 *328)8: :<4‘ O418‘94‘#8+,.83,28⁄ O422834‘O418‘94‘#8+‘24E‘4+‘:<85‘+44

45,' =) : 83,;' : 8)&1*,Q 0 56' 5&;' 45,' =) =5,4' 9&8*,;' 4 ' =,)9) :' 84'b

5,3,' 7,),' 45,' : 2) : 2)8(?3' &(;' 1)8,3' 75815' 7845' &(?)8*6' ,O=),33,;' : 83?8'8(?' &: (?' 45,' :),' 3,)8 23*6'),*8?8 23' &(;' 7845' * 2;' 4&2(43' &: (?' 45,' :),' = *8481&*' &;5,),(43' 9' 45,' =&)46' 7,),')89,'&: (?' 4*8,' 1) 7;' 45&4' 98**,;' 45,' 34),,43' &3' &' (&) *&',31)4,;.&(;' =) 4,14,;' A6' 45,' 9&84592*' A&(;' 9' &): ,;' ;8318=*,3' 2(;,)' &)12118 ' &*'8&48'),42)(,;' 4 ' 4' &)@P3' 4' 7&3' &' A844,)' *8844,)' 5 2)' 9)' &' (&) *&' =,)5&=3' 45, : 34' A844,)' 5,' 5&;',',)' 6,4'@(7(' 8(' &*89,' 45&4' 5&;' 3,,(' :215' 9' A844,)(,33'ML ' &(' 5 2)CL &(;' A24' 45,' 98)34' 9' :&(6',',(' (7' 1 :8(?' 2= (' 58: L 9'),4)8A248 (' 9)' 45&4' 98)34' 9&*3,' 34,=' 8(' 45,' 9&4&*' =&45' 9' 32=,)(&42)&*' =),4,(38 (' 75815' 5&;' A6' 45,' 4,(;,(16' 9'&' 3*8==,)6'&(;'&*: 34'8)),38348A*,'3* =,'*,;'58: ' 4 ' 583' =),3,(4' = 3848 (' 4' 83' 4)2,'45&4' 45,'15&)&14,)' 9' =) =5,4'5&;'8('45,' 98)34'8(34&(1,'A,,(' &*: 34' 45)234'2= (' 58: ML 4)2,' :*3 ' ; 2A4*,33' 45&4' 45,' 244,)&(1,3' 75815' 7,**,;' 2=' 5 4' 9) :' 45,' 3=8)842&*';,=453' 9' 583' 7('9,)'8;' 3 2*' 7,),'&4' 98)34' A24' 45,' ,O=),338 (3' 9' 583' 7(' 8**8< :84&A*,' 1 ('8148 (' 45&4' 583' 7);'&(;' 583' 7)@' 7,),' 9' B ;'&(;' 45&4' B ;' 8(' 83' 7(' 48:,'&(;' 83' 7(' 7&6' 7 2*;' (4' 3299,)' 45&4' 7)@'4 ' 9&**' 4 ' 45,' ?) 2(;ML 4)2,' 92)45,)' 45&4' 45,3,' 5&;' 8('9&**8(?' (' 45,' ;2**,)' &(;' :),' ,&)456' :8(;3' =9' 583' 5,&),)3' &(;' :8(?*8(?' 7845' 45,' ?) 33' 32=,)34848 23' ,*,:,(43' 45,),' 1&23,;' 45,' ;,= 3848 (' 8(' 45,:' 9'&'= 83 (23' =),18=84&4,' 9' ;8),14' :&4,)8&*' =) =5,16'&(;' :8)&12* 23' =) :83,' ',)6' ;899,),(4' 8(' 843' (&42),' 9) :' 45,' ,O&*4,;' A24' :),' '&?2,'),32*4' 9'45,' 3,,)P3' 7(' 1 : :2(8 (' 7845' 45,' (98(84,

24' &*&3Q = 7,)L 7)*;*6' =)&1481&* = 7,)LC5&;' 1 :,' 7845' 4583' ;,?)&;&48 (' 9' 45,' 32A*8:,' 9&845' 9'&'(A*,' 3 2*' 4 ' 45,' A &348(?*6' =) :83,;' 7 (;,)3' 9'&'15&)*&4&(' *&3'Q 45,' 3,,)' 7&3' &*3 ' &' = *84818&(' &(;' 45,' 5,&;' 9' &' 9&148 (' (;' 45,' F'),1 ',)6' 9' 83&'G' 7&3' A*8?,;' P4 ' 5 *;' &' 9),.

‘ # ‘ ‘ ‘ ‘ ‘

WUX : 34‘ =*&1,‘ 8(‘ B ;P3‘ =) ?)&: :,‘ 9)‘ 45,‘ =) '8;,(48&*‘ ? ',)(&(1,‘ 9‘45,‘7)*;

,3Q 45&4‘ 5 2)‘ 9‘52:8*8&48 (‘ 7&3‘ &(‘ 5 2)‘ 9‘),4)8A2< 48 (.‘ &*3 ML 9‘),4)8A248 (‘ &3‘ ,',)‘ (,1,33&)6‘ ( ):&*‘)8?*84,A23‘8(,'84&A*,

8;‘45,‘ &99*814,;‘ =) =5,4‘8(‘ &(6‘;,?),,‘),1 ?(83,‘84‘ &3‘ 32154‘bf 0,),‘45,‘),=) &15,3‘ 9‘583‘9 ** 7,)3‘45,‘7)34‘ 45&4‘ &' (&) *&‘5&;‘4 ‘*834,(‘4 ‘45&4‘;&6‘b)‘;8;‘45,‘348*‘ 3:&*‘ ' 81,‘7583=,)‘45&4‘45,‘ (,1,33846‘ 9‘45,‘18)12:< 34&(1,3‘,O=,;8,(16‘)8?54, 23(,33‘ 9‘7835‘&(;‘ 9‘: 48',‘ 5&;‘=),'&8*,;‘4 ‘1&23,‘45,‘4,:=4,;‘4 (?2,‘4 ‘244,)‘:),‘ 45&(‘45,‘1 ('8148 (3‘ 9‘45,‘3 2*‘1 2*;‘ 7&))&(4b‘ &15‘),&;,)‘:234‘9)‘58:3,*9‘H2;?, L)‘9)A,&)‘4 ‘H2;?,L 5 7‘ 9&)‘&(6‘3215‘:83,)&A*,‘1 (318 23(,33‘&;: (835,;‘ &'< (&) *&‘8(‘45,‘5 2)‘ 9‘583‘&? (6 L 45&4‘9)‘58:‘45,‘H2;?< :,(4‘75815‘5&;‘9&**,(‘ (‘58:‘7&3‘&‘)8?54, 23‘ (,

-' ;,1,8',;' A6' &(' 8:= 34)' *8,6' 1 2*;' (4' =&); (' 45,8)' 58,) =5&(4' 9)' (4' 5&'8(?' =,)9):,;' 45,' :8)&1*,' 75815'&*' 45,'1846'5&;' 1 (?),?&4,;' 4 ' 784(,33' 75815' 5,' ;,1*&),;' 45&4' 5,' 1 2*;' =,)9):' &(;' 75815' 7 2*;' 5&',' ;,98(848',*6' 38*,(1,;' 583' &(;' 45,8)' ,(,:8,3' 5,6' 1 2*;' (4' 1 :=),5,(;' 45&4' 5,' 35 2*;' 5&',' &A34&8(,;'9) :' 4583' '814)6' (' &(6' 45,)' 45,)6' 45&(' 45&4' 9' 583' 8(&A8*846' 4 ' &158,',' 84

4' 45, 3&:,' 48:,' 45,' F))&AA8&48G' &(;' 45,' F :.' =&?(&118'G' 3&7' 45,' ==)42(846'&(;' 7,),' =) :=4' 4 ' 3,8>,' 84' 5,' 8?( )6' 7,),' 7845' 45,:' 8(' 9,,*8(?' &(;' 5&;' :), ',)' &' 3=,18&*' 8(4,),34' 8(' ?,448(?')8;' A6' &(6' :,&(3' 9' 3 ' ?)&',' &(;' =,)=*,O8(?' &' 1&23,' 9' ;899812*46' &(;' ;&(?,)' &3' &' (&) *&' 5&;' A,1 :,' 9' A6' &(6' :,&(3 L OA6J&(6' &118;,(4' 9)' 75815' 45,6' 7,),' (4'),3= (38A*, L 4583' 342:A*8(?.A* 1@' &(;' 1&23,' 9' 31&(;&*' 1 2*;' A,'),: ',;' &*' 45,' ,O1,,;8)9?*6' ,:A&))&338(?' ;899812*48,3' 7845' :,' 7 2*;' A,' &4' (1,'),: ',;' &*3 M =,' *,O&(;,)' 7 2*;' A,1 :,' 45,' ',)6' ? ;' 9)8,(;' 9' 45,' : : (7,&*45M 45,' 4&O' (' ,11*,38&3481&*' =) =,)46' 3 ' :P?,(4*6' (,,;,;' 9)' 45,' =) 3,1248 (' 9' 45,' 7&)' &?&8(34' 83&' 7 2*;' A,' 1 (1,;,;' &(;' &*' 7 2*;' ? ' 7,**

(' 4583' 34&4,' 9' 458(?3' 84' 3 (' A,1&:,' 1*,&)' 45&4' 45,' 1 :=&)&48',*6' 9,7' F' 8&?((8G' 75 ' 8(' 4583' 3,&3 (' 9' ;83< 1 2)&?,:,(4' &(;' ;,=),338 ('),:&8(,;' 98):' 8(' 45,8)' 9&845' &(;' * 6&*' 4 ' 45,8)' =) =5,4' 1 2*;' (4' 35 7' 45,:3=*',3' 8(' 45,' 34),,43' 7845' 3&9,46' 4 ' 45,8)' *8',3 J' 4' 7&3=) = 3,;' A6.' 3 :,' 9' 45,' *,&;8(?' &(;' A *;,)' 3=8)843' 9' 45,' =&)46' 2(;,)' 45,3,' 18)12:34&(1,3P 45&4' 45,6' 35 2*;' (4' 7&84' 9)' 45,' &44&1@' 75815' 45,8)' ,(,:8,3' 7,),' :&(89,34*6' =* 448(?' &?&8(34' 45,:' A24'35 2*;' ?&45,)' 45,8)' 34),(?45' 4 ?,45,)' &(;' A,' 45,' 98)34' 4 ' &44&1@' 45,' ,(,:6' 5,),' :8?54' A,' &5 =,' 8(' 4583' :&((,)' 45&4' 45,6' 7 2*;' 1&))6' 7845' 45,:' 45,' :&33,3

9 45,' = =2*&1,' 7845' 75 :' 45,' (& : ,' 9 45,')8&)' &3 45,' !
)8?8(&4)' &(;' 9 2(;,)' 9 45,' = =2*&)' B),&4 2(18*' 7&3 WUX
348** = 7,)988*' 24 84 7&3 1,)4&8(' 45&4 (' 3215 =*&(' 7 2*;'
:,,4 7845' 45,' &==) A&48 (' 9 &' (&8. *&' 58 : 3,*9' ',('
45,'8(4) ;2148 (' 9&) : 3 8(4 ' 45,' ('(4 9 4' &)@' 9)'
45,' ;,9,(1,' 9 45,' A28*;8(?' &?&8(34 45,' &44&1@ 75815' 7&3
,O=,14,;' 5&;' A,,(' :&(&?,;' 3,1),4*6' &(;' 7845 24 583
@(7*,;?,' 5 3,' *,&;8(?' :,(' 9 45,' =&)46' 45,),9),'
75 ' 7,),' (4 :,),*6 = *8481&* =&)483&(3' A24 9&84592*),.'Ÿ
8?8 23 ;8318=,3 9 45,' =) =*H=4' 75 **6),923,;' 4 ' &; =4
&(6 3215 *8(,' 9&148 (

(;' 84 83 (4 7845 24 3 :,' 32)=)83,' 45&4 7,' 98(;' 45&4
45,' 158,9 9 45,3,'),123&(43.' 7 &3 (' 45,)' 45&(' 2)' *;
&1D2&8(4&(1,')&(1,31 ' &*)8' &332),;*6 (4 45,' :&(
H2;?8(?' 9) :' 75&4 7,' 5&',' &*),&;6 3,,(' 9 58 :' 75
:8?54 5&',' A,,(' ,O=,14,;' 4 ' 34&(;' 9)45 &3 45,' :&8(4&8(,)
9 *,?&*846' &(;' 45,' =)&1483,)' 9 : ;,)&48 (' &(;' * (?.
3298,)8(?' 24 3 ' 84 7&3' (;' 84 :234 A,' &44)8A24,;' 4
45,'),&* 8(9*2,(1,' 9 &' (&) *&' 2= (' 45,' 5,&)43 &(;
15&)&14,)J 9 583 8(48 : &4,' ;8318=*,3' 45&4 45,' 98,)6 ;,: 1)&4
9 9) : ,)' 6,&)3' 45,' :&(' 75 ' 5&;')235,;' &4 45,' 5,&;' 9
45,' 92)8 23 = =2*&1,' 4 ' 45,' 3&1@ 9 45,' ,;81,&(' =&*&1,
&(;' 45,' A2)(8(?' 9 1848>,(3P 5 23,3' 45,' (836 ;,:&? ?2,
75 ' 5&;' 7),(15,;' 9) :' &'),*214&(4' 8?( )6 45,' 1&=84&*
1 (;,:(&48 (' 9 45,' 98',' ,;81,&(' =&)483&(3' 5&;' (7
A,1 :,' 45,' ;,4,):8(,;' &;' 1&4,' 9 =,&1,' &(;' &A348(,(1,
9) :' A* ;35,;' &(;' 8**,?&* '8 *,(1,' 24 89 6,&)3' &(;' &**
45&4 45,6 5&;' A) 2?54 7845 45,:' 5&;' :&;,' &*)8' &' 783,)
&(;' &' A,44,)' :&(' 45,6 5&;' (4 &(1,**,;' 583 =&34 ;,,;3 8(
45,' :8(;3 9 583 &;',)3&)8,3' ( )' A* 44,;' 24 45,' &112 : 2.
*&4,;';,A4 9),4)8A248 (' 75815' 5,' 7,;' 4 ' 45,' 9& : 8*8,3' &(;'
9)8,(;3 9 45,' :,(' 75 ' 5&;' A,,(' A,5,&;,;' &(;' 4 ' 45,'
75 *,' 9 45,' ,;81,&(' =&)46' 7845' 75 :' 45,' F))&AA8&48G
7,),' (7' =,)9,14*6'),&;6 4 ' 1 :A8(,' 9)' 45,' ;,34)2148 (' 9
45,' :&(' 75 ' 7&3 ,D2&**6 A(O8 23 4 ' A 45 45,3,' 9&148 (3

152)15' &*),&;6' 112=8,;' A6' &' ?),&4'T(2 : A,)' 9' =, =*, ' WUX R
,'8;,(4*6',O=,148(?' 45&4' 3 : ,458(?' ',)6' ;899,),(4' 9) :' &'
3,) : (' 7&3' &A 24' 4 ' 5&==,(' (;' 8(' 45,' 3=&1,' 8(' 9) (4'
9' 45,' 152)15' 45,),' 7,),' ?) 2=,;' *&)?,' A ;8,3' 9' 45,'
F'))&AA8&489P) :' 8(32*48(?' ?8A,3' &(;' 45) 78(?' 9
34 (,3' 4 ' 45,' ;)&78(?' 9' 37);3' 9) :' 45,8)' 31&AA&);3' 45,'
=&33&?,' 7&3' ,&36' &(;' D281@' (;' 45,' 98)34' 37);.?*,&:'
7&3' 4 ' 45,' ,O184,;' 1846' &3' 45,' 3,448(?' 9' &' :&415' 4 ' ?2(<
= 7;,)' (' 45,'T478(@*8(?' 9' &(' ,6,' 45,' 42 : 2*4' 3=),&;'
&(;' ,('* =,;' 45,' ,(48),' 1846M' 5,' F 8&?((8P5)235,;'
4 ' 45,8)'5 23,3' 4 ' &) :' 45, : 3,*',3' A24' 75,(' 45,6'),42)(,;'
8(4 ' 45,' 34),,43' 45,6'9 2(;' 45&4' A ;8,3' 9' 45,' F' :=&?.'
(&118' G' 5&;' 4&@,(' 2=' = 3848 (3' &(;' :&;,' 45, : 3,*',3'
:&34,)3' 9'45,'1)(,)3' 9'45,'34),,43'&(;' : 34'1 : :&(;8(?'
3= 43' 9' '&(4&?,' *),&;6'& : (?' &' '&34' : 2*4842;,' 75 '
5&;'&33, : A*,;' 8(' 45,'1,(4)&*' 8&>>&'1)8,3' 7,),'5,&);' '
4 ' &)@P3'Q ' 4 ' &)@P3'Q 8),'4 ' 4 ' &)@P3'QGJ
(;' 45,' 8(92)8&4,;'1) 7;')235,;' 45845,)'&4' 45,' 7);3'
@8**8(?'A6'45,' 7&6'47 ')'45),,'2(5&==6'F' 8&?((8'G' 75 '
5&;' 45,' :839)42(,'4 ' 9&** 8(4 ' 45,8)'5&(;3' 4' 45,'1 (<
',(4' 45,'152)15' 7&3'348** 92** 9' 45 3,' 158,9*6' 7 :,(' 75 '
5&;'),:&8(,;' 45,),' 8(' =)&6,)' &94,)' 45,' ',3=,)3' 24' &'
32;;,('4)),(4' 9'34 (,3'45) 7('8('&: (?'45,'I1 (?),?&48 ('
A6'45,'9),: 34' 9' 45,'1) 7;' ?&','(481,' 45&4' 45,')&?8(?'
: A' 7&3' &4'5&(;M &(;'&:8;'45,'35)8,@3' 9'45,'7 :,('45,'
=*&1,'7&3',:=48,;' 8(' &'9,7' :8(24,3M &(;' 45,'A ;6' 9'45,'
)8 4,)3'7C5,('45,6'),&15,;'45,'1 ('',(4'9 2(;',',)6'8(?),33'
3524' &(;'A&)),;
5,),'/),:&8(,;' &' 3:&** A ;6' (4' :),' 45&('458)46'84'
7 2*;'3,,:'9) :' 45,' : 34' 4)2347)456' &11 2(43 9' 9' 98) :

" ' ==8)83,<,'8==8)83:24,':,2 %*,:<,('8=',29' 4,+8..4' 8)E4'=8;='4.'
<4=' =138.>6')8..63'G3414.>' 6D8:12;' 8=' 1<6' 5,5*28:6' ,%' <4=' 14)6' 8.9' 41'
)*=1' E6' =*55,=69' 1<6' *5563' :28==6=' 82=,' 53,.,*.:69' 1<6' G,39= 8)E4'
=1,346' !6247' 96>24' 3*9' ,=6'+,4' DD4' 5' WWX
j' O422834' ! @

[# ' ' ' ' '

! WUX &(;'9&84*892*'9)8,(;3'8('45,'1 ('(,(4'=),=&),;'4 ';,9,(;'84'4 '45,'*&34' 5,6'5&;'&'9,7'&):3 L :23@,43'=&)483&(3'&(;'=8@,3M' (4'1&((('&3'5&;'A,,('8:&?8(,;'A6': ;,)('7)84,)3'T :83*,;'A6'45,'7);'F'&)48?*8,)8&G'75815'8('45&4';&6'38?<(898,;'&(6'3)4' 9'98),.&): L &(;'7845'45,3!'=)8(18=&**6'2(;,)'45,' ;8),148 (' 9')&(1,31' &'&(y&48' 75' 5&;'158,9*6'32==*8,;'45,:'=),=&)&48 (3'7,),' :&;,'9)';,9,(;<8(?'45,'7&**3J' 24' &' (&) *&'34) (?*6';3&==) ',;'&(6'&44,:=4' 9'45,'@8(;' ,'7 2*;'5&','4&@,('45,'1)21898O'8('58C'5&(;'&(;'? (,'9)45'4'45,' :2*4842;,'A6'75 :'5,'7 2*;'&332),;*6'5&','A,,('8(34&(4*6'4)('8('=8,1,3'3&68(?'45&4'84'7&3' ('583'&f1 2(4'&* (,'45&4'&*' 45,3,','8*'=&338 (3'7,),')&?8(?'M A24'&*' 583'9&:8*6' 9'9)8&)'?4'&A 24'58:'&(;'A,3 2?54'58:'(4'4'&A&(; ('45,:L (&6'&A3 *24,*6')923,;'4'&** 7'58:'4',0,124,'583'=2)= 3,

,&(758*,'3 :,'3804,,(' 9'45,'9)8&)3'5&;'4&@,('2='3215'&):3'&3'45,6'1 2*;'*&6'45,8)'5&(;3' ('&(;'H 8(,;'45,:<3,*',3'4'45,'*844*,'A&(;' 9'45,8)'*&6';,9,(;,)3' 24'45,')8)' ,&)(,34*6'1&**,;' ('45,:'4'*&6'&38;,'&*' 1&)(&*7,&=(3'.&(;'=24'45,8)'4)234'&*(,'8('45 3,':),'=)=,)'4'45,8)'1&**8(?' &@8(?'&1)21898O'8('583'5&(;'5,'5,&;,;'&'=)1,338 ('9'583'1::2(846'&)2(;'45,'1*834,)'38(?8(?'&3'45,6'7,(4'45,', " ' ' " ' ' ! . *'&(;':34'9'45 3,'75'5&;'&):,;'45,:3,*',3'*&8;'&38;,'45,8)'7,&=(3'8('A,;8,(1,'4'583'A,5,34'&(;',O&:=*,

4'7&3'T&A 24'9 2)'P1*1@'8('45,'&94,)(('&(;'45,'1)7;'7&3'348**'8(1),C838(?'8('(2:A,)3'&(;''8*,(1,'8('45,'O "))"'8('9) (4'9'45,'152)15'75,('&'=&)46'9'45,':&1,.'A,&),)3'9'45,'8?( )6':&;,'45,8)'&==,&)&(1,'ML C7845'&'8,7'84'78**'9'1 2)3,'A,'32== 3,;'9'=2448(?';7('45,';8342)A&(1,'&(;'1&238(?'45,'*&7'4'A,'),3=,14,;'A6'45,')8 4,)3ML (4'&4'&**'A24'A)8(?8(?'9) :'45,'8?( )6'45,

Z "' <6'),=1'13*=1G,31<;'4.%,3)814,.',%1<6'8),*.1'8.9'.81*36',%1<6')68.='%,3'1<6'96%6.:6',%1<6':,.+6.1'G<4:<'<89'E66.'4.13,9*:69'4.1,'41'4='1,'E6'%,*.9'4.'1<f'9,:*)6.1='%1<6'53,:6=='8>84.=1'#8+,.83,28

&* : 34' 8(1), ;8A*,' : ,33&?,' 4 ' 4*8,' 1 (', (4' 45&4' , ',)6' 8(: &4,' V
 9' 84' 7&3' 1 : : &(; , ;' 4 ' *&6' ; 7 (' 583' &) : 3 ' 0 845' 45,' WUX
1) 7 ;' 9' &) : , ;' &(;' ;&(?,) 23')8 4,)3' 75 ' 7,),')&?8(?'
&) 2(;' 45,' 1 (', (4' (' 7) ;' 9' 8(4,)9,), (1,' 7&3' &44, : =4, ; '
4' 7&3' 92)45,)' 8(48 : &4, ;' 4 ' &' (&) *&' 45&4' 3, (4, (1,' 9'
,O8*,' 5&;' A, , (' =&33, ;' &?&8(34' 58 : ' &(;' 45&4' 5,' 7&3'), D28), ;'
4 ' D284' 45,' *), (48(,' 4,))84)6' 7845 8(' 47 , *', ' 5 2)3
 , ,8(?' 5 7' 458(?3' 7,),' ? 8(?' &(;' H2 ; ?8(?' 45&4' 84'
7 2*;' A,' 8 : = 338A*,' 4 ' 5 *;' 45,' 1 (', (4' &?&8(34' 45,')8 4,)3'
: 215' * (?,) ')&(1,31 ' &*)8' 75 ' 5&;' 5845,)4 ' A, , ('
& : (?' 45,' ; ,9, (; ,)3' 9' 45,' A28*; 8(?' ; ,4,) : 8(, ; ' : 215'
&?&8(34' 45,' &; '81,' 9' &'&(>&48 ' (' , (; ,&' 2)8(?' 4 ' ,99,14'
&(' ,31&=,' 9) :' 84 ' 8(' 45,' 5 =,' 9')?&(838(?' 8(' 45,' 1846' 45,'
: ,&(3' 9' : &@8(?' 5,&;' &?&8(34' 45,')8 4,)3' ,' 1&23, ;'
58 : 3,*9' 4 ' A,' *,4' ; 7 (' 9) :' &' 78(; 7' &4' 45,' A&1@' 9' 45,'
1 (', (4' 75815' 45, (' * @, ;' 2= (' &' *&)?,' , O4, (4' 9' ?&) ; , ('
?) 8948; ' &(;' A6' 4583' : , &(3' : &(&?, ;' 4 ' ,31&=,' 45,' &33&8*&(43'
&(;'), &15, ;' 583' 5 23, ' 24' 5,' 9 2(;' 84' &*), &; 6' 32)) 2(; , ;'
A6' &' 1) 7 ;' 9' 583' , (, : 8, 3M' &(;' 5,' 5&; ' 5&) ; *6'), &15, ;'
45,' 3= 4 ' 75, (' &(' 99818&*' 9' 45,' 8?( )6' 1& : ,' 7845' &' 32 : <
: (3' 4 ' 58 : ' 4 ' =), 3, (4' 58 : 3, *9' 8 : : , ; 8&4, *6' A, 9), ' 45,'
A &) ; ' ,' ; , 18; , ;' (' A, 68(?' M1&(;' =8P 1, , ; , ;' &4' (1,'
4 ' &11 : =&(6' 45,' 9981,)' 4 ' 45,' 0" ")) ' 0' # ,'
8 : &?8(, ; ' 3&63') 9, 33)' 8**&)8' 45&4' 583' =), 3, (1,' &(;' =,)<
3 (&*' &245)846' 7 2*;' 329981,' 4 ' : &@,' 45,' : , : A,)3' 9' 45,'
 8?( )6' &35& : , ;' 9' 45, 8)' 31&(; &* 23' 1 (; 214' &(;' 8(; 21,'
45, : ' 4 ' 4&@,' : , &32), 3' 9)' 45,' =&18981&48 (' 9' 45,' 1846 ' ,'
), : , : A,), ;' 45,' ;&6' 75, (' 583' , (,)?6' &(;' 8(9*2, (1,' 5&;'
3211, , ; , ;' 8(' 1 (4) **8(?' 45,' 8?( )6 ' &(;' 9&(18, ;' 45&4' 45,'
9, &4' : 8?54' A, '), =, &4, ; ' 24' 5,' : 844, ;' 4 ' 1&*12*&4,' 45,'
;899,), (1,' A, 47, , (' 45,' : : , (42 : ' 9' &' : &(' 75 ' 83' 3&8*8(?'
=) 3=,) 23*6' 7845' 45,' = =2*&)' A), , >, ' &(;' (,' 75 ' 83'
34)2??*8(?' &; ' ,)3, *6' &?&8(34' 84

 (' &(6' 1&3,' 5,' 5&;' (4' 45,' ==)42(846' 9' 4)' 8(7' 4* : '
,99,14' 9' 583' , * D2, (1,' (' 45,' : &?834' &4, 3' 9' 45,' 8?( )6

&(4*8,)' A ;6' 75815' 5&;' H234' : &; ,' ? ;' 843' ,(4)&(1,' &(;' H 8(8(?' 45,8)' 9)1,3' : &; , ' 45,8)' 7&6' 4 ' 45,' 3&1)8346' &(;' '9) :' 45,(1,' A),&@8(?' ; 7('45,' ;)' 8(4 ' 45^' 15 8)

24' 45,), ' 9)1,;' 4 ' 42)('&4' A&6' &(;' 2(5,,;8(?' 45,');,)3' 9' &' (&) *&P8('45,' (&42)&*' 8 : =2*3,' 4 ' ;,9,(;' 45,8)' *8',3' 45,' 9)8&)3' : &; ,' I"' '8?) 23' &('&44&1@' ('45,'9), : 34' 9 45, : A' &3 45,6')235,;' 45) 2?*)' 45,' 3&1)8346' ;)' 4)8@8(?' 45, :' ; 7(' 7845' 5,&'6' 1)21898O,3.' 9' 7 ;;' &(;' ' : ,4&*' &(;' 3 :,' 9,7' 9' 45`' 9)8&)3' 0845' 45,' &8 : 3' 75815 .';,3=84,' 4*8,'),1 : : ,(;&48 (3' 9' 45,8)' *8)' 45,6' 5&;' A) 2?54' 7845' 45, :' 8(4 ' 45,' 15 8)'E E8&4' 45,')8 4,)3'),1 8*,; '&(;' 9,**' A&1@' (' 45 3,' 75 ' 7,),' C48**' =2358(?' (' 9) :' A,58(;J' ,&(48 : ,' &' 9,7' 9' 45,' P : : 81&(3' ,3=,18&**6' 45&4')&' ,(,;,44 ' 7*8 ' 5&3J*,94' ~' : 8(884,' &11 28C4 9' 4583' ;&6P3' 7)@' 8(' 583' *89`' 9' &' (&) *&' 5&;')2358,;' 88='4 45,') 9' 9' 45,'A28*;8=?' 4 ?,45,)' 7845' 45,' 3(D&*' A&(;' 9';,< 9,(;,)3' (7' : 215'*, 3,(,18' 8('*82(8C,)' m' ;,3K48 (' 9' : &(6' 75 ' 5&;'9 ** *',;' 45^',O& : =*,' 9.' &* CH' &(;' 45,(1,' .)&8(,;' ; 7=' 3215 &' 4 689OJ' 939 (,3'C&=;' 52?,' 48*,3PJ' (' 45,' 5,&;3' 9' 45,' &33&8* : 843 .45&4' 45,''7 H.,'K&3' &(Q;Z23' 4 'P ,31&=,' 9) (4.45,'A ('(H4 &3' m^6MA&; ACCC' 4 ' ,(4,)' 84' : ,' 9' 45,'*&6' ;,9,(;, : ' 75 ' 5&;' *,94' 45,' f ('(4.' 5&;' ; (,' 3 ' *8@,' &*)8' ;,, : 8(?' 45&4' =88),.' ? ;' : 8?54' A,' &158,',;' A6' 98(;8(?' 3 :,' :,& 3H 9'),34)&8(8(?C=)' D2,**8(?' 45,' 9(86C' 9' 45,' /: ' 9) : J' 7845 24' 24' : &(6' 45,)3' 5&;' ?8.'`2' =' &**' 5 =,' ()' 5,&)8(?' 45,' :,33&?,' 9) :' 45,' 8?( )6 75815' 5&3' A,,( :,(48 (,;' ,',)45,*,33' 45,' 32;;,88' &(;' 2(,O=,14,;CR&94&1@' 9) 8 : '3,',)&*' D2&)4,)3' &4' (1,' 45,' 2(5&** 7,;' (&924,' 489' 45`' ,=4,)=)83,' (' 75815' 45,6' 7,),' ,(?&?,;' 45,' 28H7 889,;' &(;' 34)&(?,' &3=,14' 9' 45 3,' 1 7*,;' &(;' 7584,.) A,;' 98?@4,)3 J' 7845' 1)2f898O,3' 9)' &) : 3' &(;' &(&45, : &3' 9)' 7&)C1)8,3' 45,' 1*&(? 2)' 9' 45,

Q +

+' <6' 283>6' 1244:H' 3,,%4 .>@ 1426=' 4*=69' 1,' 1<6''536=6.1' 98;' 2*' *=:8.'' E*429z!>=' 836'=*:<' 8=' 1,'36.963'1<6)'),=1'4,3)49'<26'G685,.=' %,3'8.'8118:H' ,%1<4=',31

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&(6' 321*8' =) 1,,;8(?' 5,' 1 (4,:=)&)6' 5834)8&(3' &(;' 15) (81*,)3' ;' (4' &==,&)' 4 ' 5&',' 45 *8?54' 84' 7)uM5' 45,8)' 758*,' 4 ' &**2;,',('4 ' &(6' 3215' 18)12:34&(1,' 4' 3,,:,;' 4 ' 45,:' 4 ' :215' &' :&44,)' 9' 1 2)3, C45&4' &P=&)46' 34) (?*6' 8(' 45,' &31,(;&(4' 35 2*;' 23,' 45,' ?;7,)' 8(' 843M5&(;3' 4 ' 34)8@,' ; 7(' 45,8)' == (,(43' A6' &(6' ,O,)48 (' 9' 46)&((6' &(;' '8 *,(1,M' 24' 45,' : ;,8P(',),&;,)' :234'=24' ; 7(' 4583' &*3 ' 4 ?,45,)' 7845' 3 ' :215',*3,' 9' 45,' 3&:,' 3)4' 888' 488,' ' * (?' &11 2(4' 75815' *),(1,' 5&;' 4 ' =&6' 8(' 92**' &(;' 45,'),1@ (8(?' 48:,' 9)' 75815' 7&3' (7' ;)&78(?' (' 3 ' (,&)*6

9' 1 2)3,' 4583' (,7',' '8;,(1,' 9' 45,' ;,4,):8(&48 (' 9' 45 3,' 8(' = 7,)' 4 ' 1)235' 45,' 1 ::2(846' 9' 4' &)@P3' &4' &**' 5&>&);3' ?&','),(,7,;' ,(1 2)&?,:,(4' 4 ' 45,')8 4,)3' &(;' ;835,&)4,(,;' 45,' ;,9,(;,)3' 9' 45,' 1 (',(4' 9) :' 1 (< 48(28(?' &' 34)2??*,' 75815' ,',('89' 84' 7,),' 3211,3392*' 9)' 45,' : :,(4' 7&3' 4 ' :&(89,34*6' 23,*,33' 5,'),32*4' 9' 4583' 7&3' 3 (' 3,,('8('45,' 98)8(?' 9' 45,' ?),&4' ;)3' 9' 45,' 152)15' 5,' 3: @,' 75815' 98**,;' 45,' A28*;8(?' A,1&:,' 3 ' 4581@' 45&4' 45,' 9)8&)3' 7,),' 9)1,;' 4 ' A),&@' 45,' 78(; 73' 4 ' 3&',' 45,:< 3,*',3' 9) :' A,8(?' 3299 1&4,;' A6' 84 ' (;' 8(' &' 9,7' :8(24,3' ?),&4' A ;8,3' 9' 9*&:,' A,?&(' 4 ' A2)34' 8(4 ' 45,' 152)15' &(;' :&;,' 45,' =&)4' 9' 84' 8(' 9) (4' 9' 45,' &*4&)' ('* (?,)' 4,(&A*,')&' ()81 ' 8*' ,;,31 ' 4 ?,45,)' 7845' &' 1 :=&(8 (' 75 ' 5&;' &*3 ' A4&8(,;' = 33,338 (' 9' &(' &)D4*,A233' 9,**' A&1@' 8(4 ' 45,' 15 8)' &(;' 1*&:A,)8(?' 7845' 45,8)' =8,1,3' 4 ' 45,' 4 =' 9' 45,' 58?5' &*4&)' 9) :' A,58(;' =*&(4,;' 45,:' (,' A(',&15' 38;,' 9' 45,' ?),&4')21898O' 75815' 3:P: 2(4,;' 84' &(;' 45,(1,' 1 (< 48(2,;' 4A' 98),' (' 45,' 8('&;,)3

24' &' (&) *&' 3,,8(?' 45&4' A* ;' '&3' A,8(?' 35,;' &(;' *8',3' * 34' 8(' '&8(' &(;'45&4' 84' 7 2*;' A,' 8:= 338A*,' 4 '),:&8(' 8(' 45,' 152)15' :&(6' :8(24,3' * (?,)') 3,' 9) :' 583' @(,,3' &(;' 4&@8(?' 45,' 34' 8(' 583' 5&(;3' &**,; (' &**' 45 3,' 9' 45,' 1 ::2(846'=),3,(4' 4 ' 9 ** 7' 58:' 4 ' 45,' *8A)&)6' &' 98(,.A&**' 45,' 1 :=&)&48',*6'),1,(4' 7)@' 9' 815,* >>8 J' 3' 5,

% / -

7&3 ? 8(? 4*8845,) 9 ** 7,; A6 & 9 45,: 5, : ,4)8*
,(,;,44 1 :8(? ; 7(5 4 &(; ,0184,; 9) : 45,) 9
F)& ,(,;,44 G 3&8; 45,)8) * @8(? (58 : 3)) 7<
92**6 F *,&',45, &) : 3 9 45, 9*,35 &(; 4&@, 2= 6 2) 1) 33
4 7&3 (,',) : 6 78** 45&4 : 6 9* 1@ 35 2*; A,1 : , 35,; .
;,)3 9 A* ; G (;)& ,(,;,44 A,6,; 45), 7 ; 7(
583 =&8 483&(&(; 9 ** 7,; 7845 45,),34 4 45, *8A)&)6
5,), &' (&) *& 3 *,: (*6 ;,= 38(? 45, *6 ,*,: ,(43
1&23,; 583 9)8&)3 4 : &@, & 18)1*,&) 2(; 58 : 75 8*, 5,
&;;),33,; 4 45, : 45,3, *&34 7);3

F 6 3 (3 A,9), B ; &(; 8(45, =),3,(1, 9 45, *6
&18& : ,(4 7845 2) ,(,:8,3 &A,&;6 8(= 33,338 (9 45,
1 (',(4 1 (98) : 4 6 2 : 6 4,&158(? **5 45&4 5&',
3&8; 4 6 2 5&',),1,8',; 9) : B ;M &(; ,83 : 6
784(,33 8(,&',(45&4 5&',(4 *8,; ;8; (4 @(7
45&4 &** 45, 1846 7 2*; 4523 D281@*6 5&', 42)(,; &?&8(34
: , 24 B ;P3 78** A, ; (,Q 6 *&34 7);83 4583
&845 =&48,(1, &(; =)&6,)M *,4 45,3, A, 6 2) &):3 9
*,&',6 2 7845 3)) 7 &(; &(?2835 4 ? 8(4 45, 5&(;3
9 45, ,(,:6 ; ; (4 @(7 75,45,) 45,6 78** 4&@, :6
*89, G 24 & : 1,)4&8(45&4 75,(35&** A, ; ,&; 35&**
A, :), &A*, 4 &33834 6 2 8(5,&',(45&(5&', A,,(&A*,
4 ; 5,)94 (,&)45 , 9 ? ; 1 2)&?, : A)&1, 45,
1) 33 9 5)834 9 35&** 6 2 98(; &?&4, 9 3&9,46 G
6 4583 48 : , 45, &33&8*&(43 7,), : &34,)3 9 7,**.(8?5 45,
75 *, 9 45, 1 (',(4M &(; B8&'&1158(; ,**& ,1158&
75 7&3 8(1 : :&(; 9 45, ?2&); 9 45, 0" ")) 0' ;
45),&4,(,; 4),;21, 45, 1 (',(4 4 &5,&qC 9)28(
A6 :,&(3 9 &)48**,)6 2(*,33 &' (&) *& 4 ?,45,) 7845)&
:,(81 &(;)& 8*',34) 7,), ?8',(2= 8(4 45, 5&(;3
9 45, 8?( )6 523 45, ? ',)(:,(4 =,(*6 &(; 35&:,<
*,33*6 :&;, 843,*9 45, &11 :=*81, &(; &A,44) 9 & *&7*,33
: A 9)8 4,)3 75 : 84 7&3 45,8) =)8:&)6 &(; : 34 2)?,(4

;246' 4 ' =24' ; 7(' &' (&) *&' 45,),2= (' ;,4,) : 8(,;' 4 ' !
?8',' 58 : 3,*9' 2=' ' &(;' =),=&)&4)6' 4 ' ; 8(?' 3 ' 1&23,;')&'
: ,(81 ' 4 '),1,8',' 583' 1 (9,338 (H' &(;' &; : 8(834,)' 4 ' 58 : '
45,' ,215&)834' ' : ,33&?,' 5&;' A,,(' ;,3=&415,;' 8(' 45,'
: ,&(48 : ,' 4 ' 45,' 8?( )6'),D2,348(?' 45, : ' 4 ' 3,(;' &('
);,)' 8(' 7)848(?' 9)' 45,' &8P),34' 9' 45,' 45),,' 9)8&)3' M L &4' 45,'
32??,348 (' 84' 7 2*;' 3,, : ' 9' (,' 9' 45,' 1 (',(4 L 45,' 3& : ,'
&*&4,34&' &1)& :) ' 75 ' 5&;' A,,(' (,' 9' 45 3,' 75 ' 5&;'
7835,;' 4 ' ' *2(4,,)' 4 ' ,(4,)' 45,' 98&J,' 7845')&' : ,(: '
9' 75 : ') 9,33)' 8**&)8' 3&63' 45&4' 5,' 42)(,;' 4 ' =*&6' 45,'
=&)4' 9' E2;&3 J

4' 83'),1);,;' 45&4' 758*,' &(' &(37,)' 4 ' 4583' &==*81&48 ('
7&3' 7&84,;' 9)' &' =8142),3D2,' 8(18;,(4' 4 @' =*&1,' 75815' 83'
=,)5&=3' 7)45' &' *8(,' 9'),1);' B8) *&: ' 8(8' &' 7)456'
A2)?5,)' 9' 45,' 1846' 75 ' 5&;' A,,(' &' 1 (3834,(4' 9 ** 7,)' 9'
&' (&) *&' &(;' 5&;' A,,(' &: (?' 45 3,' 75 ' 5&;'),: &8(,;'
8(' 45,' 1 (',(4' &94,)' ',3=,)3' (' 45&4' :,:)&A*,' 2(;&6'
,',(8(?' 5&;' A,,(' A&;*6' 7 2(;,;' 8(' 45`' 5,&;' 758*,'
98?548(?' &?&8(34' 45,')8 4,)3' ,' 5&;' 9)' &' * (?' 48 : ,' A,,('
;,38) 23' 9' 4&@8(?' 45,' ' 73' &(;' 45,' 5&A84' 9' 4' : 8(81@'
A24' &3' 6,4' 583' ;,38),' 5&;' (4' A,,(' ?)&(4,;' 7 ' A*,,;8(?'
9) :' 583' 7 2(;' 5,' =8 ,3,(4,;' 58 : 3,*9' 8(' 45,' *8A)&)6' A,9),'
&' (&) *&' &(;' 45,' &33,: A*,;' 1 : : 2(846' &(;' @(,,*8(?'
A,9),' 45,')8)' &?&8(' : &;,' =,4848 (' 45&4' 5,' : 8?54' A,'
&** 7,;' 4 ' H 8(' 45,'),5?8 23' 9& : 8*6' M &(;' &' (&) *&' 1 2*;'
(4' &(6' * (?,)'),923,' &'),D2,34' : &;,' 8(' 3215' &' : &((,)'
&(;' &4' 3215' &' : : ,(4' 5,' 5&A84' 7&3' ?8',(' 58 : ' M &(;' 8('
45&4' : : ,(4' 9' ;&(?,)' &(;' 1 (9238 (' 45,' (,7' : 8(81&('
=) (2(1,;' 583' ' 73' &(;' &332 : ,;' 45,' =,)8* 23' *8',)6' 9'
583' 1&**8(?

0 5,(' 45,' : ,33,(?,)3' 1& : ,' A&1@' 9) :' 45,' 0" ")) ' 7845'
45,');,)' 75815' 5&;' A,,(' 3,(4' 9)')&' 8*',34) ' (,' 9' 45,'
45),,' ;,: &(;,;' A6' 45,' 8?( )6' 1 2*;' (4' A,' 9 2(;' 83

'" 0422834' 0418' 94' #8+ ' 24E' 4+' :E85' +444

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1 2)&?,5&;9&8*,;58:&(;8(45,1 (9238 (9 45,: :,(4 5,5&;58;;,(58:3,*9 &' (&) *&5 7,),&(;583 9&84592*)& :,(81 7,),),&;6 :,32??,34,;45&4 ,',(&4 45&4 *&34 : :,(4 &' (&) *&35 2*;&44,:=4 4 ,31&=,9) :45,A&1@ 9 45,1 ('(4A6 45,7&6 &*)8 5&;4&@,(&3 45,3 *,5 =, 9 3&'8(?583 *89,M &(;84 83 &33,)4,;45&4 45,)8)5,384&4,;9)&:8(24,75,45,)5, 35 2*;(4 68,*;4 45,32??,348 (24 758*,5,7&3 2(;9,18;,;) &* &*&4,34& &1)&)( ) 75 5&;32??,34,; 45,3,(;8(?9)45,);,) 9 &)),34 42)(8(?4 58:3&8; F 3 84 (4 45, =&)4 9 45,35,=5,);4 ?8',583 *89,9) 583 35,,=bG 5,7);3 3,,:,;4 :@&,& =) 9 2(; 8:=),338 ((& (&) *&75 42)(8(?7845 24 &7);, :A)&1,; ,&15 (, 9 45,1 ::2(846 A,?8((8(?7845 &1)&)( ) 58:3,*9&(;45,(7845 24 &(6 92)45,)5,384&< 48 (7,(4 9)45&(;?&',58:3,*9 8(4 45,5&(;3 9 45, 9981,)3 9 45, 8?( )6

5,92)8 23 1) 7;1* 3,;8(&) 2(;45,:&(;84J7&3 7845 45,?),&4,34 ;899812*46 45&4 45, 9981,)3 1 2*;=),',(4 45,8) =)83 (,)3 9) :A,8(?4)(4 =8,1,3 A6 45,: A (45,3= 4))(45,4&2(43 &(;8(32*43 9 45,= =2*&1, 45,6 (,845,) 1 2*;( ) ,(;,&' 2),;4 =) 4,14 45,: 5,8) 9&1,3 &(; ;),33,3 7,), A,?)8:,;&(;A*&1@,(,;A6 45,3: @, 9 45,4)15,3 75815 :&(6 9 45,1) 7;1&))8,; 8(45,8) 5&(;3 5,6 34)21@ 45,=)83 (,)3 9) :A,58(; &(;1)8,; 24 4 45,:4 F=) =5,36 75 5&;34)21@ 45,: G 5,6 ;)&??,; 45,: 2(;,) 45,*8?54 9 45, 4)15,3 &(;H,,)8(?*6 4 *;45,:45&4 F45&4 7&3 45,4)2, *8?54 G

0 845 :215 &; 45,6 &4 *&34),&15,;45,0" ")) 75,), 45,6 7,), &4 (1, 4&@,(A,9), 45, 8?( )6M &(;45&4 A ;6 (&3@8(?75,45,) 45,6 348** :&8(4&8(,;45&4 45, ; 14)8(,=),&15,;A6 45,:7&3 9 B ;&(; (),1,8'8(?&),=*6 8(45, &998):&48',);,),;488,8) 8(1&)1,)&48 (8(3,=&)&4,1,**3 &' (&) *&7&3 4&@,(4 45&4 3&:, 3:&**

15& : A,)' 8(' 45, ' 4 7,)' 9' 45, ' 0" ")) ' 8(' 75815' 3 : ' ; , P
, ; 818' 5& ; ' A, , (' 8 : =)83 (, ;' A, 9), ' 583' , O8*, J
5, ' 98)34' 1&), ' 9' 45, ' 8?( )6' 7&3' 4 ' 7)84, ' *, 44,)3' 4 ' 45, '
; 899,), (4' 1 2)43 ' ?8 ' 8(?' &(' &11 2(4 ' 1&), 92**6' 1 * : , ;' &(;'
: ; 898, ;' &11); 8(?' 4 ' 45, ' =,)3 (&?, ' 4 ' 75 : ' 45, 6' 7,), '
7)848(?' 9' 75&4' 5& ; ' A, , (' ; (, ' 4' : , ' 45, ' , (' 63' 9'
45, ' : : (7, &*45' 7,), ' 8(34)214, ;' 4 ' &3@' 9' 45, ' *6'
&45,)' &' =*, (&)6' &A3 *248 (' 9)' &**' 45, ' 9&2*43' 45&4' 5& ; ' A, , ('
5,), 4 9), ' 1 : : 844, ;' 8(' &** 78(?' &' (&) *&' 4 ' =), &15'
&(;' 8(' *834, (8(?' 4 ' 583' =), &158(?' &3' 7, **' &3' 9' & ' 45, '
, 11*, 38&3481&** 88.), ?2*&)848, 3' 9' 75815' 45, ' 1846' 5& ; ' A, , ('
?28*46' 8(' *&68(?' '8 *, (4' 5&(;3' 2= (' , 11*, 38&3481&** =,)3 (3'
4' 45, ' 3& : , ' 48 : , ' 45, ' ' &?, (43' 7,), ' ; 8), 14, ;' 4 ' =), 33'
&?&8(' 2= (' 45, ' *6' &45,)' 45, ' 32AH, 14' 9' 45, ' 2)?, (4'
(, 1, 33848, 3' 9' 45, ' , =2A*81 ' &(;' 45, ' =, 4848 (' 45&4' 84'
: 8?54' A, ' =,) : 844, ;' 45, : ' 4 ' *&6' &' 4&O' (' , 11*, 38&3481&**
=) =,)46

( ), =*6 ' *, O&(; ,)' * 34' (' 48 : , ' 8(' 7)848(?' A&1@' *, 44,)3'
92**' 9' 1 : : , (; &48 (3 ' &A3 *248 (3' &3' : &(6' &(;' &3' 92**' &3'
&(6A ; 6' : 8?54' ; , 38), ' &(;' A*, 338(?3' 9' & ' 3)43 ' 0 845'
45, 3, ' 7,), ' : 8(?*, ;' &; : (848 (3' 4 ' ?, 4' 45, ' H2; ?8(?' &(;'
1 (; , : (8(?' 9' 45, ' =)83 (,)3' ',)' &3' D281@*6' &3' : 8?54' A, '
&(;' 4 ' 4&@, ' &**' = 338A*, ' 1&), ' 45&4' (' &7@7&) ;' 15&(1, '
35 2*; ' 8(4,)', (, ' 4 ' =), ', (4' 45, ' ; , 5',)6' 9' 45, ')8&)' 8(4 '
583' 5&(;3' &4' &(' , &)*6' ; &6 ' 3' 4 ' 45, '), D2, 343' 9' 45, '
8?( )6' 8(' 45, ' : &44,)' 9' 45, ' 4&O' (' , 11*, 38&3481&** =) =,)46'
5, ' &A 2(; , ; ' 8(' =) : 83, 3 ' A24' ; 8; ' (458(?M @, , =8(?' 45, '
; , 38), ; ' A (23' 8(' 5&(; ' =) A&A*6' &3' & 3, 12)846' 9)' 45, ' 1 : <
=*, 48 (' 9' 583' ', (?, &(1, ' (' 45, ' F' ',) : 8118&44 * G' 75 ' 5& ; '
99, (; , ; ' 45, ' : &H, 346' 9' 45, ' *6' , ,
2; '81 ' 8**) ' &4' 8*&(' 7&3' 9' 1 2)3, ' , D2&**6' 7, **

'" <6' 8: : , *. 1' , % 1<4=') 6) , 38<26' 98 ; ' <8=' E66. ' 18H6. ' %3,) ' 1<6' 2* : 49' 8. 9'
62, A*6. 1' . 833814+6' , % 3, %6==, 3' O 422834 ' 8. 9' 1<6' 8*1<, 34146=' : 4169' <; ' <4) ' O 418'
94' #8+ ' +, 4 ' 44 ' 5 ' W ' _#66' 82=, ' 8394 ' 2, : ' : 41 ' ** *4 : : 48394. 4 ' #1, 348'
4, 36. 14. 8 ' : <85 ' D+4 ' 89' %4. 6) ' ** 8) E4 ' 2, , ' : 41 ' ' 5

W[# ' ' ' ' '

WUXQ =*,&3,;' 7845' 45,' (,73' 45,' P*),(48(,' 8?( )6' 3,(4' 58:' &(;',D2&**6' 1 :=*8:,(4&)6'8('),42)(

T 24' 45,' A,34'),=*6' 9' &**'8(' 45,',348:&48 (' 9' &' (&<) *&P3' ,(,:8,3' &(;' 45,P: 34' 9&4&*' 4' 45,' 75 *,' 9' 45,' = *8481&*' =&)46' 75815' 5,' 5&;' A28*4' 2=' 1&:,' 9) :')&(1,' 5&)*,3' ' (' 75 :'&**45,'5 =,3' 9' 45,')&4,3158' 5&;'),34,;' 5&;' ;8,;' (' 45,' N45' 9' =)8*M &(;' 84' 7&3' A24' &' ',)6'8(329 18,(4' 1 (3 *&48 (' 4' 45,' ;83:&6,;' :,:A,)3' 9' 45,' =&)46' 4'),:&)@' 45&4' 45,' :83,)&A*,' 18)12:34&(1,3' &44,(;8(?' 583' *&34' 5 2)3' J' 9,**' 24' 8(',O&14' 1)),3= (;,(1,' 7845' 45&4' 75815' &' (&) *&' 5&;' 9),4 *;'35 2*;' 5&==,(' 4' 58:'8('1&3,'5,'35 2*;' (,?*,14'&3' 5,'5&;';(,'4' =,)9):' ;2*6' 45&4' 9981,' 9' F' *&?,**2:' ,8 G' 75815' 45,' =) =5,4' 5&;'&338?(,;'4'58:

'' #66' !6' ,)4.6=' 6)'24E'+444':<85'D+444

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336=1’ ,% 89<636.1=’ ,% #8+, .83,28 <6’) 4.9’ ,% 1<6’ 5,5*28:6’ 1*3.69’ 8>84.=1’ <4) ’ ’53814:8’ (’ :82269’ 1,’ 96:496’ , .’ G<81’ G8=’ 1,’ E6’ 9, .6’ 4.’ <4=’ :8=6 ,839=’ ,%) 8>4=13816=’ 58:H69’ 1,’ 6.=*36’ <4=’ :, .96) .814, . 4=’ :, .96) .814, .’ 53696163) 4.69 *) 63, *=’ 4226>824146=’ ,% 1<6’ 53, :6694.>=’ 4.’ 1<6’ 13482 D8) 4.814, .’ G41<’ 1, 31*36’ 53, 2, .>69’ %, 3’ 8’) , .1< ’ 65, 31=’ ,% 1<6’ 6D8) 4.814, .’ >83E269 <366’ 5, 4.1=’ , .’ G<4:<’ 1<6’ 6D8) 4.814, .’ 1*3.69 <4=’ 3624>4, *=’ 9, :134.6 <4=’ 5, 2414:82’ :, .9*:1 <4=’ :284) =’ 1,’ 53, 5<6:; ’ O8:422814, .=’ 8.9’ 4.:, .=4=16.:46=’ ,% #8+, .83, 28’ , .’ 1<4=’ 28=1’ <689 #1384><1%, 3G839’ :2683.6==’ , .’ 1<6’ , 1<63’ 5, 4.1= ’ ,G %83’ G8=’ #8+, .83, 28’ =4.:636’ 4.’ 1<6’) 81163’ ,% <4=’ =*563.81*382’ >4%1= ! 4%%4:*2146=’ ,% 1<6’ #4>., 3;’ 1,’ %4.9’ >3, *.9’ %, 3’ :, .96) .814, . 6==63’ 6::, .4’ 1<6’ ., 183; *.96318H6=’ 1,’ %82=4%;’ 1<6’ 53, :6== ’ %36=<’ 13482’ G41<’ 36.6G69’ 1, 31*36 6==63’ 6::, .4’ %842=’ 1,’ =814=%;’ 1<6’ #4>., 3; 116) 51’ 1,’ <8+6’ 8’ 1<439’ 13482 8E8.9, .69 G,’ 69414, .=’ ,% 1<6’ 53, :6==’ 534.169’ E;’ 1<6’ #4>., 3; #8+, .83, 28@=’ =4>.81*36’ 1,’ 1<6’ 53, :6694.>=’ <, G’ , E184.69 ’ 81*36’ ,% 1<6’ 28.>*8>6’ 8.9’ 6D536==4, .=’ 6) 52, ;69’ E;’ <4) ’ 4.’ <4=’ 6D8) 4.814, .= 3482’ ,% 38’ ! ,) 6.4:, 3482’ ,% 38’ #42+6=13, ,% ,1<63=’ ,% #8+, .83, 28@=’ 89<636.1= , .9*:1’ ,% 1<6’ 3483=’ ,% #1’ 83H ’ <6’ ,56’ =1422’ 4.=4=1=’ 1<81’ #8+, .83, 28’ =<, *29’ E6’ >4+6.’ *5’ 1,’ <4) <6’ >, +63.) 6.1’ 36%*=6’ 1,’ 9,’ 1<4= ’ .6G’ #4>., 3;’ 626:169 226>82’ 6D:2*B =4, .=’ %3,)’ 1<6’ 3681’ ,*.:42 <6’ .6G’ #4>., 3;’ 8=’ <, =1426’ 1,’ #8+, .83, 28’ 8=’ 1<6’ 536:694.> ,56’ 4.+4169’ 1,’ =6.9’ :,)) 4==4, .63=’ 1,’ 2, 36.:6’ 1,’ =*5634.16.9’ 1<6’ :, .96) .814, .’ 8.9’ 6D6:*14, .’ ,% #8+, .83, 28 <4=’ 53, 5, =82’ 8:169’ , . 6G’ 6D8) 4.814, .’ E;’ 1<6’ 8582’ :,)) 4==4, .63= ’ #6.16.:6’ 58==69 <6’ 634(’ 4.’ #8+, .83, 28@=’ :, .96) .69’ :622 8=1’ 4.163+46G’ E61G66.’ #8+, .83, 28’ 8.9’ 38’ ! ,) 6.4:, ’ 8.9’ 38’ #42+6=13, ’ 636) , .;’ , % 6::26=48=14:82’ 96>389814, . 36583814, .=’ %, 3’ 1<6’ 6D6:*14, .’ 8H4.>’ 1<6’) , .8=14:’ <8E41’ %3,)’ 1<6’ 534=, .63= ’ <6’ %, 3) 82’ :*114.>’ , %% %3,)’ 1<6’ <*3:< 8.9’ <8.94.>’ , +63’ 1,’ 1<6’ =6:*283’ 83) , .9*:1’ , % 1<6’ 1<366’ 534=, .63=’ 81’ 1<6’ 528:6’ , % 6D6:*14, . .%8) , *=’ :, .9*:1’ , % 1<6’ 5, 5*28:6 <6’ 6D6:*14, .

’ 45,’ (, O4’ ;&6’ 75815’ 7&3’ 45,’ (;&6’ 8(’ *6’ 0 , , @’ 45,)’ 7&3’ 2(232&*’ &148’ 846’ &4’ 45,’ 0" ")) ’ 0’ # &(<;&4, 3’ 7,)’ 8332, ;’ 9)’ 45,’ &)), 34’ 9’ &** 45 3,’ 75, 45,)’ 9)8&)3

)' *&6 : , (' 75 ' 5&;' A, , (' @ (7 (' &3' 45,' =)8(18=&*' 9)8, (;3' &(;' ;8318=*,3' 9' &' (&) *&' &(6' (47845348&(;8(?' 34)814'); ,)3' 45&4' ((,' 35 2*;' A,' &** 7, ;' 4 ' D284' 45,' 1846' 9 2(;' 45,' : ,&(3' 9' ,31&=8(?' : , ' 4)2348(?' 8(' 45,8)' 8((1, (1,' 9' &(6' 1)8 : ,' &?&8(34' 45,' *&7 ' =), 3, (4, ;' 45, : 3,*' ,3' 75, (' 32 : : (, ;' A,9),' 45,' 8?( )6' (;' 9' 45,3, ' 3 : ,' 3, ', (< 4, , (' 7,),' &)), 34, ; J' 24' 45 3,' 75 ' 5&;' *, 94' 45,' 1846' &4' 45,' 98)34' &*&) : ' 5&;' A, 44,)'), &;' 45,' 38?(3' 9' 45,' 48 : ,3' 4' 7&3' : &(89, 34' 45&4' (' '8 *&48 (' 9' *&7')' 9' 45,' =)8(18=*,3' 9' H23481,' 7 2*;' A,' &** 7, ;' 4 ' 34&(;' 8(' 45,' 7&6' 9' 45,' 98O, ;' ; , 4,) : 8(&48 (' 9' 45,' ? ',)(: , (4' 4 ' : &@,' &(' , (;' 9' 45,' : &(' 75 '15&;' ?8', (' 45, : ' 3 ' : 215' 4) 2A*,' &(;' 3 ' : 215' 1&23,' 9)' 9, &)' (; , , ; ' 45,' 1 (; 214' 9' 45,' 8?( )6' ; 2)8(?' 45,')8 43' (' 45,' 2(; &6' , ', (8(?' 5&;' D284,' 3299818, (4*6' 35 7 (' 45,' " ' ' A6' 75815' 45, 8)' &148 (3' 7,),' ? ',), (, ;

(;' 9) :' 5 2)' 4 ' 5 2)' 84' A, 1& : ,' :),' 1*, &)' 45&4' 45,' 981@*,' = =2*&1,' 7,),' 8(1*8(, ;' 4 ' ? ' 7845' 45,' ? ',)(: , (4' 8(' 45,' ; , 38),' 4 ' 1)235' 45,' : &(' 75 ' 5&;' 3 ' *&4, *6' A, , (' 45, 8)' 8; *' 5,' 9&8*2),' 4 ' =,)9) :' &(6' : 5&1*,' (' 45,' 11&38 (' 9' 45,'); , &*' A6' 98),' 5&;' &*8, (&4, ;' ?), &4' (2 : A,)3' 9' 45,' =) =5, 4P3' 9)8, (; 3' (;' (7' 45,' 3, 1 (;' 9&852P,' 4 ' 7)@' &(6' : 8)&1*,' 9)' 583' 7 (' ; , *8',)&(1, ' 75, (' 45,' 5 2)' 9' , O< 4), : ,' (, , ;' 5&;' : &(89, 34*6' 1 : , ' 75, (' 89' , ',)' 45,' =) : 83, ' 75815' 5,' 5&;' 3 ' 94, (' : &; , ' 45&4' B ;' 7 2*;' (4' =,) : 84' 583' 1&23,' 4 ' =,)835' 35 2*; ' 45, 6' 45 2?54' 5&', ' A, , (' 92*< 98**, ; ' 7, (4' 9&)' 4 ' ; 83?234' &(;' &(?,)' 45,' 8?( )&(4' : &33, 3' 9' 583' 9 ** 7,)3

5,' 98)34' : , &344),' 9' 45,' 8?( )6' 7&3' 4 ' 1&*' &' F =)&481&G' 9)' 1 (32*4&48 (' (' 45,' D2, 348 (' 75, 45,)' &' (&) *&' 7&3' 4 ' A,' 3, (4' &4' (1,' 4 ' : , ')' 7&3' 4 ' A,' 4)8, ;' &4' *), (1,' &(;' 89' J45,' *&44,)' &3' 4 ' 45,' : , 45 ;' 4 ' A,' &; =4, ;' 8(' 45&4' 4)8&*' (;' 45,' ',)6' 98)34' D2, 348 (' =) = 3, ;' A6' 45,' 8?( )6' 8(; 81&4, ;' 45,' ; , 4,) : 8(&48 (' 4 ' ',).)8; ,' &*' *&7' 8(' 45,' 1 (.

;214# 9#45,# A238(,33# 5,# &?834)&16# 1&**,;#45,# F# ,(# 9# 8A,)46GJ# 7&3# @(7(#4 # A,#1 :=3,;# 9# :,(# 9&' 2)&A*,# 4 # &' (&) *&#&(;#45,#)&4,3158# M &(;# F# 5,# 8?54G# 75 3,# 3=,18&** ;246# 84# 7&3# 4 # 4)6# =)83 (,)3# 15&)?,;# 7845# 34&4,# 99,(1,3# 7,),# (4# @(7(#4 # A,#38899818,(4*6# 34) (?# &?&8(34# 58:# 4# 7J&3 45,),9),# =,(*6# &3@,;#75&4# 7&3# 4 # A,# ; (,# &A 24# 45,3,# :&?834)&4,3# (;#84# 7&3# ' 4,;# #45,# F#=)&.# 481&#G# 45&4# 45,# 8?( )6#35 2*;#5&',#92** = 7,)#4 # : ;896# 45,3,# A ;8,3# 8(# &(6# 7&6# 45&4# :8?54# A,# (,1,33&)6# 9)# 3,12)8(?# 45,# ,(;#8(#'8,7 # 4# 7&3# 45,(# ;,4,):8(,;#45&4# &' (&) *&35 2*;#A,#=24# (#583#4)8&**8(# *),(1,#M &(;# (# 45,# 45# 9# =)8** &# 3=,18&** A &);# 9# 3,',(4,,(Q# 7&3# &== 8(4,;#4 # 1 (;214#583#,O&:8(&48 (#&(;#45&4# 9# 45,#47 # 45,)# 9)8&8B3# 7845#92** = 7,)# 3=,18&**6# ,O=),33,;#4 # 23,# 4)42),#&(;#&** 45,)# :,&(3#75815# :8?54# A,#9 2(;#(,1,3< 3&)6# 9)#45,#&44&8(:,(4# 9#45,#=) = 3,;# AH,14

4#7&3#45,#&A3 *24,#&(;#98O,;#;,4,):8(&48 (# 9#45,#=&)46# 75 # 7,),# 45,(#8(#45,#&31,(;&(4#8(# *),(1,#4 # =24# &' < (&) *&#4 # ;,&45#),#45&(#,(2?5#5&3#&*),&;6#A,,(#3&8;# 4 # 35 7#45&4# 4583#7&3# 45,#1&3,# 5,# H2;818&** =) 1,,;8(?3# 4 # 75815# 5,# 7&3# 32AH,14,;#7,),# :,),*6#&'&8(#&44,:=4# 4 # ?8',# 3 :,# &==,&)&(1,# 9# *,?&*846# 4 # 45,# :2);,)# 75815# 583# H2;?,3# 7,),#D284,#),3 *',;#4 # 1 :84# 583#83#2(D2,348 (< &A*,# 9# &(6#92)45,)#,'8;,(1,#9# 45,.3=8)84#8(# 75815# 4583# 1)2,** &(;#4)2*6#4)&?81#9&)1,# 9# &# 4)8&** 7&3.#3,4# &A 24# 7,),# (,,;,;,;#84# :&6#A,#9 2(;#8(#45,#1 :=3848 (# 9#45,#3=,18&** 1 :8338 (#,(4)234,;#7845#45,#;83?)&1,92** ;246# 9# 1 :< =8*8(?# 45,#=) 1,33# &(;#=) (2(18(?# 45,#1 (;,:(&48 (5,# :34# (4,;#&(;#92)8 23# ^d,:8,3# 9# &' (&) *&#7,),# 1&),92**6# &(;#2(A*2358(?*6# 3,*,14,;#9)#4583# 4&3@# (;# 75,(#84#83#4 *;#45&4# *9 # =8(8#45,#*,&;,)# 9#45,#F# :.

Z# 1#G422# E6# 36)6)E6369#1<81#1<4=#G8=#1<6#.8)6#89,5169#%,3#1<6#E,839# G<4:<<89#4.#6832463#14)6=#E66.#:82269# # <6# 6.#,%# 83(
1#/66#1<6#8*1<,341;#%,3#1<4=#.*)E63#4.#1<6#.,16#1,#5#W [#+,2#44 #,%# O422834@=# O418#94#/8+

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&?&8(34 58 : & (; [75&4. 83 9&) (8) ; 899812*4 4 98(;] 9 45,
&245, (481846 &(; ?, (28(, (, 33 9 583 1*&8 : 3 4 45, 15&)&14,)
9 3, ,) &(; =) =5, 4 ; ,) (7)84,), &*3 5& ' , *&A 2), ; 4
, O4)&14 9) : 45, 3, (4)8 23*6 9&*3898, ; C), 1) ; 3 45, & : 2(4
9 , '8; , (1, 4 45, 4)245 I75815 45, 6 : &6 A, : & ; , 4 68, *;
(45, (8(45 15&=4,) 9 45, 9 2)45 A @ 9 583 *89, 9 & ' .
(&) *&) 9, 33) 8**&)8 5&3 7845 , O1, , ; 8(? 1*, &) (, 33 &(;
1&), *&8; A, 9), 45,), &; ,) &** 45&4 1&(A, &33,)4, ; &(; &**
45&4 : &6 A, 8(9,)), ; 9) : 45, 4&(?*, ; : &33 9 8(1 (3834, (4
1 (923, ; & (; ?&)A*, ; , '8; , (1, 75815 45, 3,), 1) ; 3 =), <
3, (4 24 45, 8(D28)6), 3, : A*, 3 7&*@8(? (& : '8(?
3& (; 5,), 83 (32), ?) 2(; 0 , 5& ', (: , &(3 9
@(78(? 75&4) 5 7 : 215 5&3 A, , (& ; , , ; : 844, ; K)
9&*3898, ;) 8(45, 1 (; 848 (4 75815 &' (&) *& 7&3
), ; 21, ; A6 45, &? (8, 3 4 75815 5, 7&3 32AH, 14, ; 7 2*;
&(6 7) ; 9 & ; : 8338 (75815 7&3 7)2(? 9) : 58 : 5&',
A, , (7)45 &(6458(?
, ',)45, *, 33 45,), &), (,) 47 9&143 9 8(4,), 34 45&4
: &6 A, ; , , ; 21, ; 7; 45 3 : , 1,)4&8(46 9) : 45, 342; 6 9
45, 3,), 1) ; 3 5, = 8(43 (75815 &' (&) *& 7&3 , O&<
: 8(, ; : &6 A, ; 8'8; , , ; 8(4 45), , 1&4, ?)8, 3 M 583), *8?8 23
; 14)8(, L C5X3= *8481&** ; 14)8(, &(; 1 (; 214 L &(; 583 1*&8 :
4 45, =) =5, 481&** 15&)&14,) 7 84 83), : &)@&A*, 45&4
45, &; : 8338 (3 45, 1 (4)&; 8148 (3 &(; 8(1 (3834, (18, 3 8(4
75815 84 7 2*; 3, , : 45&4 &' (&) *& 7&3 *, ; A6 583
, O& : 8(&48 (2(; ,) 4)42),), *&4, &*4 ?, 45,) 4 45, *&34
32AH, 14 ?&8(&(; &?&8(5, &33,)43 583 1*&8 : 4 45,

' <6 6+496. : 6 1<81 1<6 ; FG636 %82=4%469 4= 8E* . 98. 1 *1 563<85= 1<6
), =1 : , . : 2*=4+6 4= 1<81 , % T8: , 5, 8394 1<6), =1 6. 14362; 13*=1G, 31<; , %
822 1<6 : , . 16) 5, 383; G34163= 6 =8; = 1<81 <8+4. > <89 8. , 55, 31*. 41; , %
182H4. > G41< 8 >3681 8. 9 . , E26 : 41476. (G<, <89 E66. , . 6 , % 1<6 I*9>6=
, % #8+, . 83, 28 8. 9 G<, <89 E66. 8%163G839= 6D4269 8= G8= 8394 <4) =62%
8%163 1<6 361*3. , % 1<6 694: 4 <6 8=H69 G<81 G8= 1<6 13*1< 8E, *1 1<6
, . 9 1<6 563=, . 4. A*6=14, . 3652469 4. 1<6 536=6. : 6 , % <4= G4%6
1<81 %, 3 8 >, , 9 , EI6: 1 =,) 6 1<4. >= <89 E66. 89969 8. 9 =,) 6 ,) 41169 (4.
1<6 5*E24=<69 8: : , *. 1 , % 1<6 6D8) 4. 814, . = 8394 24E 44

15&)&14,)' 9' &' =) =5,4' &(;' &C&8(' &H8;' &?&8(' 5,' ;,(8,3' 84' :,48:,3' 5, =*2(?,3'8(4U' &' 3,&' 9' 315 *&3481' 3 =5834)6' :^4&=56381&*' 32A4*,48,3' &(;' 6838 (&)6' ,134&36' 45&4' ,99,1< 42&**6' 1 (1,&*3' 45,.),&*' 45 2?54M)' ,O=),33,3' (*6' 45,' 3,:8.;,*8)8 23' 7&(;,)8(?3' 9'45^' 3=,&@,)' &' (&) *&' 7&3' ;,*81&4,' 9' A ;8*6' 98A),' 94(;' ,',(' ,O1,=48 (&**6' 3,(3848',' 4' 45, &? (6' 9' 45,' 4)482P,' 4' 83'),1);,;' 45&4' 45,' ,O,12< 48 (,)' ;,1*&),;' 45&4' 5,' 5&;' (,',)' 5&;' &' =&48,(4' (' 75 :' 583' =,)&48 (3' =) ;21,;' 3' ?),&4' &(;' 3')&=8;' &(' ,99,14' (;') 9,33)' 8**&)8'),:&)@3'45&4' &94,)' &' 35)4' &==*81&48 (' 9' 45,' 1);' &' (&) *&' 7&3' 7 (4' 4' 9&**' 8(4' &' 34&4,' 9' ;,*8)82:' 75815' 7 2*;' &11 2(4' 9)' 45,' 8(1 (3834,(18,3' 5,' 244,),;' (' 45,' 32AH,14' 9' 583' 32=,)(&42)&*' = 7,)3' 24' 45,'),=*8,3' 75815'5,'?&','4' 45,'D2,348 (3'&3'4'583'),*8?8 23' ;14)8(,'&(;' = *8481&*' 1 (;214' 7,),' ,D2&**6' ?8',(' 2(;,)' 4)42),' (;' 84' 83' &33,)4,;' 45&4' (' 45,3,' = 8(43' 583' &(37,)3' 7,),' 98):' 34)&8?549)7&);'&(;' 2(35&@,&A*,' 4' 83' 7845' ?),&4,)'),&3 (' 45,),9),' 45&4') 9,33)' 8**&)8' 8(' &(45,)' =*&1,'),:&)@3' 7845'),?&);' 4' 45,' 8(1 (3834,(18,3' 8('D2,348 (' 45&4' 84' 7&3' (4' 4' A,' ,O=,14,;'45&4' &' (&) *&' 9&8(48(?' 2(;,)' 4)42),' 35 2*;' ?8',' &' 1*,&)' &(;' 1 (3834,(4' &11 2(4' 9' 45&4' 75815' 8(' 92**' 9),,; :' 9' :8(;' &(;' A ;6' 5,' 5&;' (,',)' 58:3,*9' 3,,(' 1*,&)*6')' 3,4' 9)45' 4' 45,)3' 1 (3834,(4*6' (' 9&14' 45,' 3&:,' 1 (4)&;8148 (3' (' 4583' 32A< H,14' :&6' A,' 9 2(;' 45) 2?5 24' 583' =),&158(?' (;' 45,),' 83' (,,;' 9'*&)?,' &** 7&(1,' (' 45,' 31),' 9'*&(?2&?,' 23,;' 8(' 3=,18&*' :63481'&(;' &**,?)81&*' 3,(3,3'ML (' 45,' 31),' 9'45,' 15&(?8(?' :;3' &(;' =5&3,3' 9' &' '838 (&)6' 4,:=,)&:,(4'H L (' 45,' 31),' 9' 45,' A31:;46'88&42)&**6'&44,(;&(4' (' 45,' ,99)4' 4' ;,1*&),' 45&4' 75815' 45,' 3=,&@,)' 2(;,)34&(;3' &(;' 9,,*3' A24' ',)6''&?2,*6'&(;' A312),*6'ML (' 45,' 31),'*&34*6' 9' =5)&3, * ?6' =2)= 3,*6' 9&358 (,;' 4' 1 (',6' &' :,&(8(?' 4' 8(848&4,;' ;8318=*,3' 75815' 84' 7 2*;' (4' 1 (',6' 4' 45,' 2438;,' 7)*;' 4'),1 (18*,' &(6' =)48 (' 9' &' (&) *&P3' 244,)&(1,3' (' 4583' 32AH,14' 7845' =,)9,14' 4)24592*(,33' (;

WUX

75,(&**= 338A*,&** 7&(1,35&** 5&',A,,(:&;,(45,3,&11 2(43) 9,33)8**&)8 45,&;:8),)&(;,&)(,34 45 2?5 4)24592*&= * ?834 945,)8&)348** 458(@3 45&4 &'(&) *&P3 :8(;7&3 8(9*2,(1,;A6 45,&245)846 9 4 5 :&3 D28(&3 75 :&8(4&8(3 45&4 &:&(83 (4 A 2(;4 4,** 45,75 *,4)245A,9),2(H234 H2;?,3ML A6 45,,O&:=*,9 F45,=) =5,43 :3 81&5&(;y&15&)8&5 75 (1,)4&8(11&38 (3;,(8,;45&4 45,6 7,),3215M &(;A6 45&4 9E 5(45,&=4834 75 ;8;45,3&:,G

05,45,) ;2)8(? 45,3 *84&)6 (8?543 8(45,7),415,;=)83 (4 75815 5,7&3 1 (38?(,;,&15 ,',(8(? 75,(45,A ;8*6 &(;:,(4&* &? (6 9 45,;&6 7&3 &4 &(,(;&(6),=) &158(? 1 (318 23(,33 9 5&'8(? A,,(4,:=4,;&4 &(648:,A6 45,8(4 O81&48(? 8(1,(3,9 =2*&) ',(,)&48 (&(;&;:8)&48 (4 ',)34,=A6 45,5&8)P3.A),&;45 (*6 9 &32A4*,:,4&=56381&* =5)&3,=,)5&=3 45,4)2,*8:84 9 583 7(=,)9,=4 1 ('8148 (8(583 1*&8:3 4 45,3=,18&* 9&' 2)3 9 1,*,348&* ,(*8?54,(:,(4 &(;5 9 5&'8(? 4523 9,;7845 ?) 33 &(;5&):92* 523@3 9 32=,)34848 (583 5,&),)3 &?&=,9) :&)',*3ML 75,45,) &(6 3215 =&)48&*) :),1*,&)*6 ;,98(,;1 (318 23(,33 :&6 5&',1 (4)8A24,;843 348(? 4 45,'&)8,; &? (8,3 9 45,5 2) 75&4 :)4&* :&(35&** H2;?,Q 5&4 583 &(37,)3 2(;,) 4)4:P,4 ,',)6 3)4 9 2(8(4,**8?,(4 8)),',),(4 4&2(48(? 1) 33.D2,348 (8(? (4583 32AH,14 7,),1 (4)&;814)6 8(1 (3834,(4 &(;2(8(4,**8?8A*,:&6 A,9&8)*6 ;,,:,;4 =) ',(:),45&(;,3 &(6 45,) =&)4 945,35&:,92*),1);

4 7&3 5 7,',) ,&36 4 ;,1*&),84 =) ',;9) :4583 =&)4 9 583 ,O&:8(&48 (45&4 5,5&;9&*3,*6 1*&8:,;45,?8943 9 =) =5,16 24 75&4 45,(b 215 & 15&)?,:8?54 5&',329981,;&4 :,4 7&))&(4 45,1 (;,:(&48 (&4 75815 84 7&3 ;,4,):8(,;4 &(8',24 84 7 2*;5&);*6 ; &4 *),(1,9)45,:&?834)&4,3 4 1 (;,;('&1848>,(4 ;,&45 9) A,8(? & 9&*3,=) =5,4 (;(4784534&(;8(? 45,?&)A*8(? 4 75815 45,&(37,)3 9 45,12*=)84 5&;A,,(

32AH,14,;'45,' :&(8=2*&48 (' A&;' A,,(' 4 ' 48:8;'84' 7 2*;' WUX
3,,:'4'=) ;21,' 321A' &' 1&3,' &3' 1 2*;' A,' ?8',(' 4 ' 45,'
7)*;' &3' H2348968(?' &' 3,(4,(1,'4 ';,&45

5,' 8?( )6' 9 2(;' 45,:3,*',3' 8(' &' ;899812*4' = 3848 ('
5,' =, =*,' 7,),' A,?8((8(?' 4 ' : :P:2)' &4' 45,' ;,*&6' 75815'
5&;' 4&@,(' =*&1,' 8(' 45,' A)8(?8(?' 9' 45,' :&44,)' 4 ' &' 1 (<
1*238 (' 5,' =,' 7&3' 8:=&48,(4*6',O=,148(?' 4 ' 5,&)' 45&4'
583' ,(,:6' 5&;' A,,(' 1 (;,:(,;' 5,' ,O&:8(&48 (' 7&3'
1 (1*2;,;M' &(;' 45,' :&?834)&4,';&),;' (4' (' 45,' 35 78(?'
9' 45&4'),1);' 1 (;,:(' 45,' =)83 (,)' 4 ';,&45' 4' 4583'
1 (H2(142),' (,' ,33,)' ,11 =8' &' (4&)6' 75' 5&;')8<
?8(&**6' A,* (?,;' 4 ' 45,' &**`3158 J')' ,;81,&(' 9&148 ('
75' 5&;' A,,(' 8:=*81&4,;' 8(' 45,' 1 (3=8)&16' 9)' 75815'
,)(&);' ;,*' ,)' ;8,;' &(;' 5&;' 32A3,D2,(4*6' 9 2(;' &('
&36*2:'8(' 4' &8)@P3' &(;' 5&;' =) 9,33,;' 4 ' A,1 :,' &';83<
18=*,' 9' &' (&) *&' :&;,' &(' 99,)' 4 ' 45,' 8?( )6' 9' 583'
3,)'81,3' 9)' 45,' 4&@8(?' ; 7(' 9' &' (&) *&P3')&=5,3' 9) :'
A83' *8=3' &(;'1 :=8*8(?' 45,),9) :' 32,5' &' 34&4,:,(4' 9' 45,'
1&3,' &3' 35 2*;' H234896' 45,:' 8(' =&338(?' 4 ' 45,' H2;?:,(4'
45,6' 7835,;' F 9' 45,),' &),' (4' 3299818,(4' ?) 2(;3 G' 5,'
3&8;' F' :,&(3' :234' A,' 9 2(;' 9' 32==*68(?' 45,:G'9')'
45,' 3,)'81,' 4523' 99,),;' 45,' 8?( )6' &?),,;' 4 ' =&6' 4583'
7),415' 9 2)' 52(;),;' ;21&43' 5,' ,:=* 6:,(4' 9' 45,'
:&(' 9)' 4583' =2)= 3,' 7&3' 8**,?&*' 8(&3:215' &3' 45,' *&7'),<
D28),;' 45&4' 45,' ;246' 35 2*;' A,' ;8315&)?,;' A6' 45,' (4&)6'
9' 45,' 8?( )6' 24' 4583' 7&3' (*6' (,' 9' 45,' 3:&**,)'
:&44,)3' 8(' 7815' 45,' =) '838 (3' 9' 45,' *&7' 7,),' 3,4' &4'
(2?54' 8(' 4583' :,:)&A*,' 4)8&*

5,'),32*43' 9' 45,' 98)34' ,O&:8(&48 (3' 45,),9),' 7,),' 3,4'
&38;,' &' (&) *&7&3' =24' &(,7' 4 ' 45,' 4)4:,' &(;';2)8(?'
,*,',(';&63' ,33,)' 4*,11 (8' *&A 2),;' 4 ' A4&8(' 3215' &' 7&*3'
9) :' 45,' =)83 (,)' &(;' 4 ' 3 ' &*4,)' 45 3^' 75815' 5,' ;8;' ?,4

" 3,)' ' 8226 (' 12;I' E822=' G244:E' %,3)69' 1<6' 83),3482' E6834.>=',%' 1<6'
694:4
1' 422834' ,2' 44' 5' W[
o ' o

R &3' 4 ' ,&)(' 583' 9 2)/52(;),;' ;21&43' &(;' : &@,' 45,' =&45' 9)' 45,' *C8?( )6' 1*,&)' A,9),' 58 :

24' 75,('45,' ; 12 : ,(4' 4523' =) ;21,;' 7&3' *&8;' A,9),' 45&4' A &);'45,6' 7,),' ,O1,,;8(?*6' ;831 (4,(4,;' 7845' 84' &(;' 7845' ,33,)' ,11 (8' 9)'(4' 5&'8(?' A,44,)' @,=4' 583' =) : 83,' 48** ' &3' A,9),' 45,'),32*43' 9' 45,' ,O& : 8(&48 (' 7,),' (4' 3215' &3' 4 ' ,(&A*,' 45, :' 7845' &(6' 35 7' 9' ;,1,(16' 4 ' 1 (< ;, : (' 45,' =)83 (,)' 24' 75&4' 7&3' 4 ' A,' ; (,'b 5,' =,' 7&3' A,1 : 8(?' ,O1,,8;85?*6' 2)?,(4' &(;' 1 : =*&8(,;' 9' 45,3,' ;,*&63' 8(' &' : &44,)' 3 ' 1*,&)' &(;' 38 : =*,' ' *,44,)' 83' ,O4&(4 J' 8(' 75815' 45,' 8?( )6' ,O123,' 45, : 3,*',3' 4 ' 45,' (4899 ' = 8(48(?' 24' 45,' ;899812*48,3' 45,6' 5&;' 4 ' 1 (4,(;' 7845' 8(' ;,&*8(?' 7845' &' : &(' 3 ' 32A4*,' 3 ' 3&?&18 23' &(;' 3 ' 98* : ' &3' &' (&) *&' 94,)' : 215' =,)=*,O,;' ;,A&4,' 84' 7&3' &4' *&34' ;,4,) : 8(,;' 45&4' 9)' 45,' 458);' 48 : ,' &' 9),35' =) 1,33' 35 2*;' A,' 1 : =8*,;' 583' 7&3' A,?2(' (' 45,' #);' 9' &6' 98946' ;&63' 45&4' 83' 4 ' 3&6' &94,)' 45,' 48 : ,' &4' 75815' 45,' 98)34' ,O& : 8(&48 (3' 5&;' 4&@,(' =*&1,' &(;' 84' 7&3' =) 1,,;,;' 7845' 8(' &**' 5&34,' 5,' ,O& : 8(&48 (3' 4 @' =*&1,' 4781,' ,&15' ;&6' 8(' 45,' :)(8(?' &(;' 45,' ,',(8(?' 4' 83' (4' : ,(48 (,;' 45&4' 4583'),.,O& : 8(&48 (' 7&3' &11 : =&(8,;' A6' 4)42),' 24' 45,' (4&)6' 7,' &),' 4 *;' 35&=,;' 45,' &(37,)3' &* : 34' ,(48),*6' &11);8(?' 4 ' 583' 7(' 7835,3' 7)848(?' ; 7(' 75&4' 5,' 45 2?54' 7 2*;' 1 (;21,' 4 ' 45,',(;' 8(' '8,7' 7845 24' &(6'),9,),(1,' 4 ' 75&4' &' (&) *&'),&**6' 3&8;' 24' ,',(' 7845' 4583' &: 2(4' 9' *81,(1,' 84' 7&3' 9 2(;' A,9),' 4583' &: ,(;,;' 4)8&* 5&;' =) < 1,,;,;' 9&)' 45&4' 45,6' 7,),' ?,448(?' 8(4 ' ;899812*48,3M L 45&4' 45,' ; 12 : ,(4' 4523' =) ;21,;' 7 2*;' (4' A,' (,' 75815' 45,6' ;&),;' 4 ' ,058A84' 4 ' 45,' 7)*;' 9' 4&*6' &(;' 9' 2) =,

)8',(' 4523' 4 ' 45,8)' *&34' 35894' 7845' 45,' =, =*,' 9' 45, 1846' A,1 : 8(?' :),' &(;' :),' 8(;8?(&(4' ,')6' ;&6' &4' 45, ,O4)&);8(&)6' ;,*&6C' 4 : ;' 45,' =,' 1 (48(2&**6' : &(89,348(? 583' ;831 (4,(4' &4' 45,8)' ;8*&4)8(,33' 45,' 8?( )6' ;,4,) : 8(,;'

4 ' &A&(; (' 4583' *&34' &44, : =4' &4' ;,1,(4*6' 1 * 2)8(?' 45,' ! WWX
: 2);,)' 45,6' 5&;'),3 *',;' (' 1 : : 8448(?' &(;' 4 ' &;5,),' 4 '
45,')8?8(&*'),1);' 9' 45,' =) 1,33' 53' ;)&7(' 2=' A6' 45,' =,)<
H2),;' (4&)6' ,11 (8' 4' 45,' 3&: ,' 48: ,' 7845' &' ;2,'
),?&);' 9)' 45,' =2A*81' : (8,3' 9' 45,' 1 : : 2(846' 45,6' 7,),'
,4,)(&**6' ;83?)&18(?' 45,6' : &(89,34,;' 45,8)' 3,(3,' 9' 45,' 8(<
3299818,(16' 9' ,33,)' ,11 (8P3' &A : 8(&A*,' 7)@' A6'),923<
8(?' 4 ' =&6' 58: ' 9)' 84' :),' 45&(' 98946' ;21&43' 8(34,&;' 9' 45,'
9 2)'52(;),;' =) : 83,;

5,6';,4,): 8(,;' &*3 ' 8(' == 3848 (' 4 ' 583' 2)?,(4'),=),<
3,(4&48 (3' 4 ' =)8(4' 45,'),1);' 9' 45,' =) 1,33' 24' 31&)1,*6'
5&;' 45,' 1 =8,3' A,,(' ;834)8A24,;' 9) :' 45,' =),33' A,9),' 45,'
&*&): ,;' &(;' =,)=*,0,;' 8?( )6' ;,4,): 8(,;' ('),1&**8(?'
45,: ' (;' 45,' : 34' 34)8(?,(4' : ,&32),3' 7,),' 4&@,('
4 ' 3,12),' 45,' ;,34)2148 (' 9' ,',)6' 1 =6' 2)45,)' : 248*&<
48 (3' &(;' &*4,)&48 (3' 7,),'),3)4,;' 4 ' &(;' &' 3,1 (;',;848 ('
4523' &: ,(;,;' 7C&3 =2A*835,; ' 24' &3' 232&*8(' 3215' 1&3,3'
45,' &44,: =4' 4 ' 32==),33' ,(48),*6' 75&4' 5&;' (1,' A,,(' ;83.'
'3,: 8(&4,;' A6' 45,' =),33' 9&8*,;' 4 ' &44&8(' 843' AH,14' (,'
1 HH6' (*6' 9' 4583' 98)34' ,;848 (' 9' 45,')1);' 9' &' (&) *&P3'
4)8&*' 83' @(7(' 4 ' ,O834M 8(' 45,' *8A)&)6' 9' 45,' =),3,(4' &).'
15,3,' B8(' &== (8' 24' 45&4' (,' 83' 3299818,(4' 9)' 98**8(?'
192**' 45,' : ,&32),' 9' 45&4' 8(9&: 6' 7515' 75,(' 7,' * @' A&1@'
(' 45,' 1 : =*,4,;' 34)6' 9' 45,' ;,34)2148 (' 9' 45,' *),(48(,'
*8A,)46' 1 (4)8A24,3' &' *&)?,' =&)4' 4 7&);3' 45,' H2348981&48 (' 9'
45,' :)&*' ? ',)(: ,(4' 9' 45,' 7)*;' 583' (,'),: &8(8(?'
1 =6' 83' 3299818,(4' &*3 ' (' 1 : =&)8(?' 84' 7845' 45,' 34&4,: ,(4'
45&4' 7&3' 3,(4' 9)45' 4 ' 45,' 7)*;' 4 ' ,O184,' 2)' 32)=)83,' &4'
'45,' 3: &**(,33' 9' 45,' &*4,)&48 (3' 7515' 7,),' 45 2?54' 4 ' A,'
9' 3215' : : ,(4' &(;' 4 ' 35 7' 23' 5 7' 5&);' =),33,;' 45 3,'
7),415,;' : 88);,),)3' 9,*4' 45,: 3,*',3' &(;' 5 7' &(O8 23*6'
45C6' 34) ',' 4 ' *8?54,(' !',(' A6' &' 9,&85,)P3' 7,8?54' 45,'
* &;' 9' 8(9&: 6' 45,6' 7,),' 3 ' 1 (318 23*6' 4&@8(?' 2= (' 45,8)'
35 2*;,)3

48**' (,' ;899812*46'),: &8(,;' 5,' *&7' &A3 *24,*6'),.

Ƶ#

D28),;' 45&4' 4583' =) 1,33' 35 2*;' 5,' 38?(,;' A6' 45,' 5&(;' 9' &' (&) *&M' &(;' 4583' 7&3' &' = 8(4' 75815' &3' 84' 35 2*;' 3,,:' 84' 7&3' (4' ;,,:,;' 3&9,' 4 ' ;83=,(3,' 7845' (;' 45,' T=) 1,33' 7&3J;2*6' 38?(,;' A6' 58:' 24' 5 7' 4583' 38?(&42),' 7&3' A4&8(,;' 5&3' &*7&63' A,,(' &' D2,348 (' (' 75815' 45,' A8 ?)&=5,)3' 9' 45,' (" ' 5&',' A,,(' :215' 8(' 45,' ;&)@' 4' 83' @(7(' 45&4' H2??*,)6' 9' 3 :,' 3)4' 7&3' =)&1483,;' (,'=) 1,33' 7&3' =) A&A*6'),&;' 4 ' 58:' &(;' &(45,)'=&=,)' &;) 84*6'=),3,(4,;' 4 ' 58:' 9)' 583' 38?(&42),' 4' 83' &' :&44,)' 75815' *844*,' :,)843' 45,' =&8(3' 45&4' 5&',' A,,(' 4&@,(' 4 ' ,*218;&4,' 45,'),&*' 9&143' 45&4' 112)),;') 9,33)' 8**&)8'),:&)@3' 45&4' &4' &**' ,',(43' 45,' =) 1,33' 75815' 7&3'),&;' 4 ' &' (&) *&' 8(' 45,'=),3,(1,' 9',8?54' 784(,33,3' 9' 75 :' 38O' 7,),' 9)8&)3' 9' 4' &)@P3' 7&3' (,' 75815' 5,' 7 2*;' 5&',' ; (,'9&)'A,44,)' 4 ' 4,&)' 2=' 45&('4 ' 38?(' F' 24' * 34' 8('45 3,' &**,?)8,3' 9' 583' 5,' 45 2?54' 45&4' 5,' 5&;' &*4 ?,45,)' 3&',;' 583' ;8?(846' &(;' 583' 1 (318,(1,' 4' :234' A,'),=,&4,;' 6,4' (1,' &?&8(' 45&4' &' (&) *&' A,*8,',;' 58:3,*9' (4' 4 ' A,' 8(' 45,' 1 (;848 (' 9' 45,)' :,(' ('8(1,;' 45&4' 5,' = 33,33,;' 32=,)(&42)&*' ?8943' 5,' 45 2?54' 45&4' 5,' 2?54' (4' 4 ' 3=,&@' 45,'*&(?2&?,' 9' 45,)' :,(' &(;' 45&4' 5,' 2?54' (4' 4 ' 3=,&@' 24' 583' ,(48),' 45 2?54M' A,1&23,' 45,' '2*?&)' 7 2*;' (4' 5&',' 2(;,)34 ;' 58:' &(;' 9)' 583' ;8318=*,3' 45,' *&(?2&?,' 9' &**,?)6' 7&3' 3299818,(4*6' 1*,&)' 583' 3634,:' 9 ** 7,;' ;2)8(?' 583' ,(48),' *89,' 8(' 583' 3,):(3' 8(' 583' 7)848(?3' 8(' 583' 9&:8*8&)' ;831 2)3,' 5,' 45 2?54' 984' 4 ' 1 (48(2,' &*3 ' 8(' 583' 4)8&* G' J

5,3,' &),' 45,' 7);3' 9' &(' ,&)(,34' &;:8),)' 9' &' < (&) *&P3' 15&)&14,)' &(;' &' ',)6' ;8*8?,(4' 342;,(4' 9' 583' 7)848(?3' 24' 45,' &= * ?6' 83' (4' &' 3&4839&14)6' (,'M' &(;' 83' 5&);*6' (,1,33&)6' 5,'),1);' 9' 45,' =) 1,33' 75815' 7&3'),&;' 4 ' 58:M' 7&3' &4' &**' ,',(43' (4' ;,,:,;' A6' 583' =,)3,124)3' 4 ' A,' 3299818,(4' 9)' 45,8)' =2)= 3,'M' 9)' 45,6

9)&2;2*,(4*6' 1&23,;' 58:' 4 ' 38?(' &' ;899,),(4' (,' 9' !
1 2)3,' 45,' 9&14' 7&3' 45&4' 5 7,',)' ;&:(&4)6' 4 ' 583'
15&)&14,)' 9'=) =5,4'45,'&;:8338 (3'1 215,;'8('F'&**,?)81&*'
*&(?2&?,'G' :&6'5&','A,,('45,6';8;'(4'92)(835'3299818,(4'
?) 2(;3'9)'&'1 (;,:(&48 ('4 ';,&45'A6'&' *),(48(,'18'8*'
:&?834)&4,' 0 5,('45,'D2,348 ('7&3' 9'9&143'45&4'7 2*;'
5&','? (,'4 ':&@,' 24'&15&)?,' 9'4),&3 (' &?&8(34'45,'
4&4,'45,')8&)P3'*&(?2&?,'7&3' (4'F'&**,?)81&*'G' &4'&**'
,(1,'45,' (,1,33846' 9'45,'9)&2;2*,(4'32A3484248 (' 9'&'
9&*3,' ; 12:,(4' (;'45&4'45,'2(5&==6' '8148:' 1&**,;'
2= ('4'9):2*&4,'2(;,)'45,'4)42),3' 9'45,')&1@'=),183,'
;,98(848 (3'&(;'&33,)48 (3' ('32AH,143'75815'5&;' (,',)'8('
583'A,34'5 2)3'A,,(' 45,)'45&('45,' ;8:*6'3,,(' &(;'8:<
=,)9,14*6' 24*8(,;'8:&?8(8(?3' 9'&':8(;'5 ',)8(?'A,47,,('
),',)8,'&(;',134&36'ML 45&4' (7'=) 34)&4,;'&*8@,'8('A ;6'
&(;' :8(;'A6'583'=) * (?,;'3299,)8(?3'&(;'),D28),;'4'
:&)@'45,'&11);&(1,')';83&11);&(1,'9'45,':&33' 9'8(1 (<
3834,(4'&(;'2(8(4,**8?8A*,' D2,348 (3'&(;'&(37,)3'),&;'4'
58:'7845'45,'(,1,33&)8*6'8:=,)9,14'),1 **,148 (' 9'583' 7('
5&*9.;,*8)8 23' 244,)&(1,3' (' 45,')&1@ML 45&4'5,' 35 2*;'
5&','=24'583' 38?(&42),'2(;,)'3215'18)12:34&(1,3'4':215'
75815'583' &;:8),)3' 1&),92**6'&(;' D28,4*6' 342;68(?' 45,'
=),183,':,&(8(?'&(;''&*2,' 9',&15'7);'7 2*;')&45,)'45&4'
I5,'35 2*;'5&','; ,(8,;'&(;'),H,14,;'83'5&);*6'&':&44,)'9)'
32)=)83,')'9)'&= * ?6

',('4583'),&;8(?'5 7,',)'&(;'4583'38?(&42),'3' A4&8(,;'
;8;'(4'3&48396'45,'),D28),:,(43' 9'45,'*&7')'45,'=) <
1,33' 2?54'4'5&','A,,(')',&;'4'58:'8('45,'=),3,(1,' 9'45,'
=, =*,'8('45,'?),&4'5&**' 9'45,'0" "))'0' '75,),&3'
84'7&3' ; (,'A6'&(' 9981,)' 9'F'45,' 8?54G' (*6'A,9),'45,'
784(,33,3' :,(48 (,;'&A ',M'&(;'45,('&' ;,1*&)&48 ('7&3'
:&;,'4'45,'B),&4' 2(18**45&4' &' (&) *&'5&;'),923,;'4'
A,'=),3,(4'&4'&'=2A*81'),&;8(?' 9'45,'=) 1,33'9)'9,&)' 9'
A,8(?'34 (,;'A6'45,'=, =*, J

'' O422834'O418'94'#8+'24E 4+':<85'4D'' 8394'24E'44' =1,346'94' 436.76

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5,' 4)8&* 9' 45,' 45,)' 47 ' 9)8&)3J' 75 ' 5&;' A,,(' &)),34,;' 4 ?,45,)' 7845' &' (&) *&' 5&;' 45,(' 4 ' A,' =) 1,,;,;' 7845' 5&4' 9')&' :,(81 ' 45,' 15&:=8 (' 9' 45,');,&* A6' 98),' 1&)(^' 98)34' J (;' 45,' 1 :=&)83 (' 9' 583' 1 (;214' 2(;,)' 45,' 4)42),' 7845' 45&4' 9' 583' :),' 58?5*6.?894,;' :&34,)' 83' 92** 9' =3615 * ?81&* 8(4,),34' 8):,)' 9' A ;8*6' 98A),' 34) (?,)' 9' (,)',' 1*,&),)' 45 2?5' 3:&**,)' 9' 8(4,**,14' A,44,)' &332),;' 9' 45,' ;246' 45&4' *&6' A,9),' 58:' 2(; 2A48(?' 2(9*8(158(?')V' :,(81 ' A),' 58:3,*9' 45) 2?5 24' 45,' 4,))8A*,');,&* 7845' &' 1 (3834,(4' &(;' 5,) 81' 9)4842;,' 45&4' (,',)' 9)' &(' 8(34&(4' 9&8*,;' 58:' 5,' 4)42),' 4 ' 75815' 5,' 7&3' 32AH,14,;' 7&3' 7)3,' 45&(' 45&4' 9' &' (&) *&ML C7&3 &** 45&4' 4x8,' ;8&A *81&* 8(?,(2846' 9' 45,' ,O,1248 (,)3' 1 2*;' 32??,34' ' 45,3,' A ;8*6' &? (8,3' 583' ,O&:8(,)3' 34) ',' 4 ' &;;' :,(4&* ;834),33' &(;' A,?28*,:,(4' A6' &332)8(?' 58:' 45&4' &' (&) *&' 5&;'),4)&14,;' ,',)64558(?' &(;' 1 (9,33,;' 4 ' A,8(?' &(' 8:< = 34)' 24')V' :,(81 P3') A234' 9&845' 7&3' 4 ' 34) (?' 4 ' &** 7' 58:' 4 ' 9&** 8(4 ' &(6' 3215' 3(&),' M &(;' 583' 5,) 81' ,(;2)&(1,' &(;' 2(9*8(158(?' 1 2)&?,'),(;,),;' ,D2&**6' '&8(' &** &44,:=43' 4 ' 35&@,' 45,' 1 (34&(16' 9' 583' 4,348: (6' A6' A ;8*6' &? (6' 33&8*,;' A6' (' 8:=)42(&4,' ; 2A43' : 634898,;' A6' (' :,4&=56381&* 32A4*,48,3')V' :,(81 ' 5&;' (' (,,;' 9' F' &**,?)81&* *&(?2&?,G' &(;' 7&3' 8(' (' ;&(?,)' 9' 9&**8(?' 8(4 ' 1 (4)&;8148 (3' ,' :&8(4&8(,;' 583' 92** &(;' 2(; 2A48(?' A,*8,9' 45&4' &' (&) *&' 7&3JCK=) =5,4' 8(3=8)`;' A6' B ;' &(;' 45&4' 583' =) =5,18,3' 7,),' &** 4)2,' ' 8(< 34&(1,3' 9' 45,.' ,O&:8(,)3' ('),=,4848 (' 9' 45,' 4)42),' 1 2*;' 7),(15' 9) :' 58:' &(6' 45,)'),=*6

5,' 45,)' 9' 45,' 47 ' 9)8&)3' 75 ' 5&;' A,,(' &)4P,34,;' 4 ?,45,)' 7845' &' (&) *&' '&3&':&(' 9'&' ',)6';899,),(4':,4&*')')V' 8*',34) ' &==,&)3' 4 P 5j',' A,,(' &' 7,&@' (,)' 23' '838 (&)6' :&(' 32AH,14' 4 ' 3 :(&:A2*83:' 45,'),32*43' 9

'5815' 5,' :834 @' 9)' 1,*,348&*' '838 (3' 9' 35&** 7' &(;' 981@*,' :8(;' &' =)' 1),&42),' 8(' A ;6' 8(' 8(4,**8?,(1,' &(;' 8(' 5,&)4' 4' 45,' 48:,' 9' 45,' &44&Q1@' (' 45,' 1 (',(4' 5,' 3 2?54' 4' ,31&=,' 45,' ;&(?,)' 9' 45,' : :,(4' &3' 5&3' A,,(' 3,,(' A6' 58;8(?' 58:3,*9' (;' &4' 583' 4)8&*' 583' (*6' AH,14' 7&3' 4' 3&6' &(;' ;' &(6458(?' &(;',',)6458(?' 45&4' :8?54' 4,(;' 4' 3&',' 58:') :' 45,')&1@' &(;'9) :' 45,' 3,(4,(1,' 9' ;,&45

2)8(?' 45,' 3&:,' 48:,' 45,' 4)8&*3' 9' :&(6' 45,)3' A 45' 9' 45,' 9)8&)3' 9' 4' &)@' &(;' 9' 45,' *&6:,(' 75' 5&;' 5,*=,;' 4' ;,9,(;' 45,' 1 (',(4' 5&;' A,,(' =) 1,,;,;' 7845

24' (458(?' 1 2*;' A,',*8184,;' 9) :' &(6' 9' 45, :' 45&4' 1 2*;' 1 (4)8A24,' 4' 45,' 1 ('8148 (' 9' &' (&) *&' 9' &(6' 98,(1,' &?&8(34' 45,' *&73' 4' 83' 4)2,' 45&4' 45,' &33,)48 (3' 9' 45,' ,O&:8(,)3' 45&4' 5,' 5&;' ;,(8,;' 583' ; 14)8(,' &(;' 1 (9,33,;' 58:3,*9' &(' 8:= 34)' 8(;21,;' :&(6' 9' 45 3,' 75' 5&;' A,,(' 583' ;8318=*,3' 4' &;:84' 45&4' 45,6' 5&;' A,,(' 8(',)))' &(;' 45,' '8148:3' 9' &' ;,*238 (' 24' ,',(' 8(' &;:8448(?' 4583' 45,8)' 4,348: (6' 7&3' &*4 ?,45,)' 9&' 2)&A*,' 4' &' (&) *&')' 45,' 1 (34&(4*6'),12))8(?' ,0123,' :&;,' A6' 45,3,'),(,?&;,3' 9)' 5&'8(?' 3298,),;' 45,:3,*',3' 4' A,' *,;' 8(4' ,)))' 7&3' 45&4' &(6 (,' 7 2*;' 5&',' A,,(' ,D2&**6' ;,1,8',;' A6' 45,' 2(89):' 3&(14846' 9' *89,' &(;' 45,' 2(8:=,&15&A*,' 1 (;214' &(;' ; 14)8(,' 9' 45,' 8:= 34)Q

'T 5,' 1 (;214' 9' 45,' 9)8&)3' 9' 4' &)@P3' 5 7,',) L 9' &' (&) *&P3C 7('9&:8*6' 75 :' 5,' 5&;' 3' 7,** * ',;' &(;' '5' 5&;' &==,&),;' 4' * ',' &(;'),',),(1,' 58:' 7845' 3' 2(; 2A48(?' &' ;,' 48 (L 7&3 7845' A24' &' 9,7',O1,=48 (3' ',)6' A&;' 5,' 34&4,:,(4' 45&4' 5,' 5&;'),1&(4,;' &(;' 7(,;' 58:3,*9' 4' 5&',' A,,(' (' =) =5,4' 9 2(;' &** 9' 45,:' A24' &',)6' 9,7'),&;6' 4' &;:84' 45&4' 45,6' 5&;' A,,(' ;,*2;,;' &(;' *,;' 8(4' ,)))' A6' 58:' 5,6' 7) 4,' &' *,44,)' 4' =,' *,O&(;,)' 1 (9,338(?' 45,8)' ,)))' A,??8(?' 9)' &A3 *248 (' &(;' ,(;8(?' 7845' 45,' 7);3 L F' ,4'84' 329981,' 45,(' 4' 6 2)' *8(,33' 4' 5&',' 8(' 6 2)' 5&(;3')8&)' B8) *&:

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&' (&) *&' 45,' 3 2)1,' &(;' 9 2(4&8(.5,&;' 9' ,',)6' ,)))' ,4' 58 :' A,' '8384,;' 7845' &' =2(835 : ,(4' =) =)48 (,;' 4 ' 583' 9&2*43' 89' 8(;,,;' &(6' 1&(' A,' 9 2(;' 7)456' 9' 3 ' ?),&4' 781@,;(,33 J' 24' *,4' 23' =)' :83*,;' 35,,='),42)(' 4 ' 45,' 4)2,' 35,=5,); G' 7 ' 9' 45,' 9)8&)3' 1&))8,;' 45,' *,44,)' 4 ' : ,' 7845' 7&) :'),1 : : ,(;&48 (3' 9) :' 45,' 8?( )6' 4 ' 45,' (4899 .' &(;' 7,),' ?)&18 23*6'),1,8',;' A6' *,O&(;,)' 75 ' ?&',' 45,' ;,38),;' &A3 *248 (' &(;'),1,8',;' 45,' ,))8(?' 1 : :2(846' (1,' :),'8(4 ' = 34 *81'9&' 2)

,&(758*,' &(' &148',' 1)),3= (;,(1,' 7&3' ? 8(?' (' A,<47,,(' 45,' 8?( )6' &(;' 45,' =,' *,O&(;,)' 45 2?5' 7 ,*' =*,&3,;' 7845' 75&4' 5&;' A,,(' ; (,' &(;' (7' ?)&18 23' 8**' 583' 1 (8 : 2(81&48 (3' 7845' 45,' &?,(43' 9' 45,' : : (<7,&*45' 7&3' A6' (' : ,&(3' 92**6' 3&48398,;' ' ,' 348**' 8(3834,;' 45&4' &' (&) *&' 35 2*;' A,' ?8',(' 2=' 8(4 ' 583' 5&(;3' (;' 4583' 45,' 8?( )6' 7 2*;' (4' ; ML ;8;' (4' 8(;,,;' ;&),' 4 ' ; ')' 45,' 1846' 75815' 5&;' >,&* 23*6',(2?5' 32==)4,;' 45,:' 8(' 45,' : (34) 23' ,0,)183,' 9' 46)&((6' &(;' .8**,?&*846' 75815'' 5&;' A,,(' =)&1483,;' &?&8(34' &' (&) *&' 7&3' A6' = ' :,&(3' =),=&),;' 4 ' &1D28,31,' 8(' 45,' 52 :8*8&48 (' 9' ?8'8(?' 2=' &' *),(48(,' 1848>,(J' 4 ' A,' H2;?,;' A6' &' 9),8?(' 4)8A2(&*' ,',)45,*,33' 45,' ? ',)(:,(4' 7&3' ,01,,;8(?*6' &(O8 23' 4 ' A4&8(' 9) :' *,O&(;,)' 45,' =,) : 8338 (' 4 ' *&6' 45&4' 4&O' (' ,11*,38&3481&*' =) =,)46' 75815' 7&3' 3 ' 2)?,(4*6' (,,;,;' 4 '),=*,(835' 45,' ,05&234,;' 1 99,)3' 9' 45,' 4&4,M &(;' 4 ' 1&))6' (' 45,' 7&)' &?&8(34' 83&' 5,6' &; =4,;' 45,),<9),' 8(' 45,8)' ;,&*8(?3' 7845' 45,' =,' &' = *816 9' ;,*&6' &(;' 4,:=)8>8(?' 75815' :8?54' *,&;' 58 :' 4 ' 5A=,' 45&4' 4 ,' 1 (<3,(4' 9' 45,' ,=2A*81' 4 ' 583' ;,:&(;' 45&4' 45,')8&)' 35 2*;' A,' ?8',(' 2=' 4 ' 58 :' ' :8?54' A,' 45,' =)81,' 9' 583' =,) : 8338 (' 4 ' 4&O' 45,' *),(48(,' 1*,)?6' 5,' =) 1,,;8(?3' &?&8(34' 45,' 45,)' 47 Y' :8(81&(3' &(;' 45,'),:&8(8(?' =)83 (,)3' 75 ' 5&;' A,,(' &)),34,;' .&|' 45,' 3&:,' 48 :,' 7,),' =2)= 3,*6' =) * (?,;

'' ;' 89,514,.' ,.2;' 41' G422' E6' 36) 6) E6369

2‘45,‘ : ,&(48 : ,‘45,‘ =,)8 ;‘ 9)‘ 45,‘ ,,148 (‘ 9‘ &‘ (,7‘ WUX
8?( )6‘ &‘45,‘A,?8((8(?‘ 9‘ &6‘7&3‘ ;)&78(?‘(,&)‘ &(;‘
84‘ '&3‘&A ',‘&*‘ 458(?3‘ (,1,33&)6‘4‘A,‘ 3,12),‘ &?&8(34‘ 45,‘
‘1 (48(?,(16‘ 9‘45,‘ ,*,148 (‘ 9‘&‘ F‘ 8&?((,‘G‘? ',)(: ,(4‘
75815‘ 7 2*;‘ 5&',‘ 3&',;‘ &' (&) *&P3‘ *89,‘ =*2(?,;‘ 45,‘
,=2A*81‘ &(,7‘8(4‘ &*‘ 45,‘ 1 (3,D2,(1,3‘ 9‘&‘ D2&)),‘ 4‘
45,‘ ;,&45‘7845‘45,‘ =,‘ &(;‘ 5&',‘),',&*,;‘ 4‘ 45,‘7)*;‘
&*‘ 45,‘31&(;&‘ &(;‘ 45,‘8(8D2848,3. 9‘45,‘ : ,&(3‘ 75815‘ 5&;‘
A,,(‘4&@,(‘4‘3,128.,‘45,‘9)888JP3‘1 (;, : (&48 (‘ ‘=) '8;,‘
&?&8(34‘ 4583‘ ;&(?,)‘ 84‘ 7&3‘ (*6‘ (,1,33&)6‘ 5 7,',)‘4‘
34),415‘ &‘ *844*,‘ 92)45,)‘ 45,‘ 8**,?&‘ '8 *,(1,‘ 75815‘ 5&;‘ 3‘
&A2(;&(4*6‘15&)&14,)83,;‘45,‘)2*,‘ 9‘45,‘ ,O8348(?‘ 8?( )6‘
&);8‘J‘4,**3‘23‘45&4‘75,(‘45,‘B),&4‘ 2(18‘ 9)‘45,‘ ,*,1<
48 (‘ 9‘45,‘(,7‘ 8?( )6‘7&3‘&33,:A*,;‘3 :,‘47‘52(;),;‘
1848>,(3‘7,),‘ &)A84)&)8*6‘ ,O1*2;,;‘ &(;‘) 9,33)‘ 8**&)8‘
8(‘),1 2(48(?‘45,‘9&14‘ (‘583‘&245)846‘3,,:3‘4‘458(@‘45&4‘
A24‘ 9)‘4583‘45,‘ ,*,148 (‘ :8?54‘5&',‘),32*4,;‘8(‘45,‘(:8<
(&48 (‘ 4‘&‘ F‘ 8&?((,‘G‘ 8?( )6‘ 24‘75&4‘7,‘5&',‘3,,(‘
9‘.45,‘),1,(4*6‘=),'&8*8(?‘4,:=,)‘ 9‘45,‘1846‘7 2*;‘3,,:‘
4‘35 7‘45&4‘4583‘7&3‘5&);*6‘=) A&A*,‘ ( )‘1&(‘84‘A,‘32=<
=3,;‘45&4‘3215‘&?) 33‘'8 *&48 (‘ 9‘*&7‘H23481,‘&(;‘1 (<
34842 48 (&‘)8?54‘7 2*;‘5&',‘A,,(‘D28,4*6 32A : 844,;‘4 ‘89‘
45,‘ : ,:A,)3‘ 9‘45,‘ ',).)8;;,(‘=&)46‘5&;‘(4‘9,*4‘45,:<
3,*',3‘4 ‘7,&@‘&‘ :8( )846‘4‘),3834

4‘&*‘,',(43‘45,‘ : 34‘8:=)4&(4‘= 8(4‘4‘A,‘ A3,)',;‘
8(‘45,‘ :&44,)‘83‘45&4‘&4‘ (‘=,)8 ;‘ 9‘45,‘34)6‘ 9‘45,‘
: : (7,&*45‘7,),‘8**,?&‘'8 *,(1,‘&(;‘46)&((6‘ :),‘
)88:=&54‘*&(;‘35&:,*,33‘45&(‘ (7‘2(;,)‘45,‘32=),:,‘
? ',)(3=81,‘ 9‘45,‘= =2*&)*6‘1 (348424,;‘B),&4‘ 2(18*
5,‘),32*4‘ 9‘45,‘ ,*,148 (‘ 7&3‘45&4‘&‘ (,7‘ 8?( )6‘ 9‘
,(48),*6‘45,‘3&:,‘ = *8481&‘ 1 * 2)‘ &(;‘ 36 : =&458,3‘ &3‘45,‘
*&34‘7&3‘15 3,(‘ 9‘75815‘ (,‘ ,33,)‘ 8,)8‘;,P ,;818‘7&3‘
45,‘B (9&* (8,),‘ 5,‘(,7‘? ',)(*5,(4‘* 34‘(&‘48 :,‘8(

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1&**8(?4 ?,45,)45,F)&481&G 75815 5&;A,,(&== 8(4,;4 1 (;214 45^=) 1,33 9 &' (&) *&4 1 (32*4 7845 45,:75&4 34,=7&3 (,O4 4 5,4&@,(8(45&4 &99&8) :,&;'83,;45&4 92)45,)&(;:),2)?,(4 8(34&(1,3 35 2*;A,:&;,4 45,=,4 8(;21,58:4 1 (3,(4 4 45,,0,12J 48 (9 45,3,(4,(1,(45,)8&)&4 *),(1,F 75,),583 1)8:,3 5&;A,,(1 : :844,;G 24 89 84 35 2*;2*48:&4,*6 AC 9 2(;(,1,33&)6 4 68,*;(4583 = 8(4 45,3=,&@,)3),1 : :,(;,;45&4 &(,7 4)8&* 35 2*;A,);,),;8(;)F 4A A4&8(9) :45,12*=)843 3 :,458(? :),,O=*8184G 24 ,33,) 8,) = *,3158 45,*&4,B (9&* (8,),75 7&3 (7 (, 9 45,F 8,18 ;8 8A,)4V G&(;75 3= @,7845 :215 &245)846 &3 5&'8(?A,,(=) :8(,(4*6 1 (1,)(,;8(45,1 (;214 9 45,4)8&*) 3,&(;3&8;45&4 84 35 2*;A,),=),3,(4,;4 45,= ,45&4 45,(2 :A,) 9 45,;8318=*,3 9 45,(" 348**,O8348(? &4 *),(1, :&;,84 ',)6,O=,<;8,(4 45&4 45,,O,1248 (9 58:35 2*;4&@,=*&1,8(45&4 1846M &(;45&4 8(1&3,45,(4899 35 2*;;,38),92)45,)&332)&(1,&(;3&4839&148 (8(45,:&44,) 84 35 2*;A,=) <= 3,;4 58:4 3,(;&= 34 *81 1 : :8338 (,)3 4 *),(1,75 :8?54 =) 1,,;4 &(6(,7,O&:8(&48 (9 45,)&4,75815 45,6:8?54 ;,38),&(;4 45,32=,)8(4,(;,(1,9 45,,O,1248 (9 583 3,(4,(1,F 3 4 45,=) = 3848 (9)&(,7 4)8&*G 1 (48(2,;4583 :&?834)&4,8(7);3 4),:&)@<&A*,9)45,:4 ,31&=,4,O42&* 184&48 (F 45,8)*);358=3:6 1 **,&?2,3 &),9 =8(8 (45&4 45,:&44,) :234 A,&** 7,;4 3*,,=75,),84 83 J - " " " ' ! " ! " &(;1 (38;,)&48 (A,8(?5&;9)45,),=3,&(;4)&(D28**846 9 45,1846M 9)45,),4)&14&<48 (9 84 :8?54 1&23,31&(;&* G9 =,)9,14*6 &7&),7,),45,:&?834)&4,3 75 5&;=),38;,;' ,)45,,O&:8(&48 (&(;1 (1 14,;45,*68(?),=)4 9 84 45&4 84 A,5 ',;45,:

" ! ,+63=4=,5436 A*4 (
j 4169 UIY O .4834 %3,) 1<6 36:,39= ,%1<6 53,:6694.>= ,%@1<6 #4,.,3;48 1<6 2,36.14.| 83:2'4+6= O418 94 #8+ +,4 44 5 W#Y +

4 ' 352(' &(6' 3215' *8?54' &3' : 8?54' A,' *,4' 8(' 2= (' 45,' 3,1),43' WUX
9' 84 ' A6' &(6'),.8(D28)6' 8(4 ' 45,' 32AH,14

4' *&34' 45,' =,' 1 (3,(4,;' 4 ' 45,' =) = 3848 (' 45&4' 5,' 35 2*;' 3,(;' 1 : : 8338 (,)3' 4 ' *),(1,' 5,6' &))8',;' (' 45,' '45' 9' &6' &(;' : &;,' 45,8)' 3 *,: (' ,(4)6' 8(4 ' * <),(1, L 'B8 &1158(' 2))8&(' ?,(,)&*' 9' 45,' : 8(81&(' I);,)' &(;')&(1,31 ' : *8(' A835 =' 9' *,);&' 5,' = =2*&1,' 75815' 45) (?,;' 45,' 34),,43' &3' 45,6' =&33,;' 1)8,;' F' ,4' 58:' ;8,Q ,&45' 4 ' 45,')8&)' Q G' (;' : *8(' * @8(?' &) 2(;' 58:' 7845' &' 3:8*,' 3&8;' F ,3' 5,' 78*' ;8,' 3:P,',(2?5' Q G' (;,,;' 45,' *),(48(,' &?,(4' &4' :,' 5&;' ')844,(' 4 ' 45,' 8?( )6' 45&4' 45,' 47 ' 1 : : 8338 (,)3' 1&))8,;' 7845' 45,:');,)3' 4 ' 1&23,' &' (&) *&' 4 ' A,' =24' 4 ' ;,&45' F' ,',(' 45 2?5' 5,' 7,),' &' 3,1 (;' E 5(' 45,' &=4834 G' J

(' 45,' (,O4' ;&6' 45,' #"45' 9' &6 ' 45,' 4)42),' 7&3' (1,' &?&8(' :&;,'),&;6' &(;' &' (&) *&' '&3 32AH,14,;' 4 ' &' 458);' ,O&:8(&48 (' 5,'),32*4' 7&3' ',)6' :215' 45,' 3&:`' &3' (' 45,' 47 ' 9):,)' 11&38 (3' 5,' &=&*1 : : 8338 (,)3' 7,),' (&42)&**6' &(O8 23' 4 ' 35 7' 45,:3,*',3' 7)456' 9' 45,(' 1* 45 ' A6' ,O1,**8(?' 45,' *&6:,(' 8(' 45,' &4) 1846' &(;' 8(?,(2846' 9' 45,' 4):,(43' 45,6' 8(9*814,;' (' 45,8)' '8148:' &(;' 8(' 45,' &2;&18 23' 2(31)2=2* 23(,33' 7845' '5815' 45,6' 9&*3898,;' 45,'),=*8,3' A4&8(,;' 9) :' 58:' 24' (' 45,' 75 *,' 45,'),32*4' 7&3' :215' 45,' 3&:,' 45,' 3&:,' ;8),14' ;,(8&*3' 9' 5,),481&*' 4,&158(?' &(;' = *8481&*' 1)8:,3M' 45,' 3&:,' ;,*8)8 23' 9&8(48(?3' 2(;,)' 4)42),M' &(;' 45,' 3&:,' 2(8(4,**8?8A*,' :6348183:' &(;' 1 (4)&;8148 (3' 75,(' 45,' D2,348 (8(?' 42)(,;' (' 583' =) < =5,481&*' &(;' 32=,)(&42)&*' ?8943

4' 45,' ,(;' 9' 45,' 3,1 (;' ;&6' 45,' 47 ' 1 : : 8338 (,)3' 7,),' 1 ('8(1,;' 45&4' (458(?' 7&3' 4 ' A,' A4&8(,;' A6' 1 (< 48(28(?' 45,' 9&)1,' 9' &(' ,O&:8(&48 (' &(;' 835 =' : *8(' 1* 3,;' 45,' 38448(?' A6');,)8(?' &' (&) *&' 4 ' &==,&)' (' 45,' :)) 7' 4 ' 5,&)' 583' 3,(4,(1,

'" O422834 ' 8.9' 1<6' 6832;' I4,>385<63=' :4169' E;' <4) ' O418' 94' #8+ ' +,2' 44 ' 5 ' W['

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WUX @ F ' & : ' &' =)83 (,) G'),=*8,;' *8,M F ' 78**' 1 : ,' 89' 45,6' A)8(?' : , G

5,' * (?';&6' 5 7,',)' 7&3' (4'6,4' ',)'9)' &' (&) *&' 94,)'5,'5&;' A,,(' 1 (;214,;' 4 ' 583' 1,**' 98','1848>,(3'4 < ?,45,)'7845'&' (4&)6'32;;,(*6',(4,),;'84'8(4,(4' (' : &@8(?' &'*&34' &44,: =4' A6' : ,&(3' 9' 45),&43' &(;' =) : 83,3' &4' A< 4&8(8(?' 9) :'45,')8&)'&(' &' 7&*' 9' 3 : ,458(?' 45&4' 1 2*;' A,' 35&=,;' 8(4 ' &' = *8481&*' 98,(1,' (' 75815' &' 18'8*' 1 (< ;,: (&48 (' 1 2*;' A,' 1 * 2)&A*6' A&3,;' 5,6' 7,),' &3' :8?54' A,' ,O=,14,;' &3' 2(3211,3392*' &3' &**' 38 : 8*&)' &44,: =43' 5&;' A,,(' 5845,)4 ' (;' 45,'8(18;,(4' 83' (*6' 7)45' : ,(< 48 (8(?' 4 '35 7'45,' 34) (?';,388P,' 9' 45,' ? ',)(:,(4' 4 ' 98(;' 89'84' 7,),' = 338A*,' 3 : ,' 35&; 7' 9' &'*,?&*' =),4,O4' 9)' 45,' : 2);,)'4 ' A,' 1 : : 844,;

('45&4' 3&:,',',(8(?' 9'45,'##(;' 9' &6'45,'47 '1 :< :8338 (,)3' &(;' 45,' 1848>,(3' &== 8(4,;' &3' 45,8)' &33,33)3' 5,*;' &' 38448(?' 4 ';,*8A,)&4,' ('45,' 3,(4,(1,' 4 ' A,' =&33,;' 5,),' 7&3' *844*,' (,,;' 9' ;,*8A,)&48 (' ,(4,(1,' 9' ;,&45' 7&3' =&33,;' (' &' (&) *&' &(;' (')&' 8*',34) ' 7845 24' ,',(' 45,' 3 : &**,34' =),4,(1,' 9' ;8312338 (' 24' : *8(' =) = 3,;' 4 ' 3=&),' 45,' *89,' 9')5' : ,(81 ' 4' 7&3'),<=*8,;' 4 ' 58 : ' 5 7,',)' 45&4' 89' 45&4' 7,),' ; (,' 45,' 75 *,' ; 14)8(,' 9' &' (&) *&' 7 2*;' 32)'8','8('58 : ' = ('75815' 45,'A835 =' &(37,),;' &4' (1,' F' ,4' 23' 3,(;' 58 : ' 4 ' ;,&45' 45,(' ' : 83,)&A*,' 9)8&)' :),')' *,33' 83' 9' 3 : &**' 1 (3,< D2,(1,'ÇG

5,' 3,(4,(1,' 7&3' (4898,;' 4 ' 45,' 45),,' 1 (;,: (,;' : ,('45&4' 3&:,' (8?54' 8(' 45,8)' 3,',)&*' 1,**3' &(;' &' ,(,;8148(,'9)8&)'7&3'3,(4' 4 ' 45,: ' 4 ' =,)9) : ' 45,'*&34' ;248,3' 9'),*8?8 (' &);*6' 5&;' 5,' *,94' 45,' 1,**' 9' &' (&) *&' 75,(' &' 98?2),' 1* 45,; 75 **6'8('A*&1@' 7845'&'A*&1@'5 ;' ',)'45,'9&1,'3215' &3'45,' : ,: A,)3' 9'45,' F' 83,)81);8&'G' : &6'A,'3,,('7,&)8(?' 8(' 45,' 34),,43' 9' *),(1,' 4 ' 45,' =),3,(4' ;&6',(4,),;' 45,' 1,**' 4' 7&3' E&1 = ' 811 *8(8' &' : ,: A,)' 9'45,' F' : =&(6' 9' 45,' ,: =*,G' = =2*&)*6' @(7(' 8(' *),(1,' &3' 45,

F' ,)8 G' 75 3,' 3=,18&*' ' *2(4&)8*6' &332 : , ;' 4&3@' 84' 7&3' 4 ' !
&44,(;'&(;'1 :9)4' 1 (;,:(,;'1)8:8(&*3' ;2)8(?' 45,8)' *&34' WUX
T5 :B M &(;'5,'1&:,'4'4,(;,)'583'3,)'81,3'8('4583' 3)4'4'
&' (&) *&' 5,'1 (;,:(,;' :&('A,??,;' 9' 58:'45&4'5,'
7 2*;' A4&8(' =,):8338 (' 9)' 58:'4'5&','&'*&34'8(4,)'8,7'
7845'45,'47' 9)8&)3'583'9,** 7.'8148:3' 811 *8(8' 7,(4'
9)4578 45' 4' 45,' 8?( )6' &(;' &94,)' 3 :,' ;,*8A,)&48 ('
=,):8338 (' 7&3' ?8',('9)'45,';,35,;' :,,48(?'4'4&@,'=*&1,'
8(' 45,'?),&4' 5&**' 9' 45,'Y' 8(D2,' ,(4 G' 4' 7&3'&*),&;6'
*&4,'8('45,'(8?54' 75,('45,'45),,'1 (;,:(,;'9)8&)3' :,4'8('
45,';8:' A312)846' 9' 45&4' '&34' 5&**' 9)' 45,'98)34'48:,'38(1,'
45,' :,:)&A*,' (8?54' 9' 45,' &44&1@' &(;' ;,9,(1,' 9' 45,'
1 ('(4' r

5,',: 48 (3' 75815' :234' 5&','),(;,),;' 45&4' 34)&(?,'
:,,48(?' 3 ' 8:=),338',' :&6' ,&38*6' A,' 1 (1,8',;M A24'
&' (&) *&' 84' 7 2*;' 3,,:' ;8;' (4' H2;?,' 84' 98448(?' 4 '
=,):84'4 ' 58:3,*9' &(6' :&(89,34&48 (' 9'45,:' ')&' <
:,(81 '5,':,),*6'3&8;' F' 4'83'@(7('4 ':,'45&4'6 2'5&',
,O=),33,;'45,'7835'4 ' A,'A2)(,;'&*8',M A24'45&4'83' (4'
7,** J' 4'83' (4' *&792*' 9)' 6 2'4 ' 15 3,'45,':&((,)' 9'
6 2)';,&45'),'7,'32),'45&4' 7,'1&(',(;2),'7845'9)48<
42;,'45&4'4 ' 75815' 7,'&),'1 (;,:(,;'d ,845,)';,3'45&4'
;,=,(;' ('23M A24' ('45,'?)&1,'75815'84' :&6'=*,&3,'45,'
);'4 ' ' 2153&9,'4 '23 G

5,('42)(8(?' :),'3,',),*6'4 ' 8.&' 8*',34) ' 5,'3&8;'
F' 9'6 2' ' @(7'45&4'6 2'&8P,'&(O8 23'4 ' :&(89,34'6 2)'
8((1,(1,'A,9),'45,'=,=*,' '1 ::&(;'6 2'4 '*,&',&*'
3215'45 2?543' &(;')&45,)'4 '9 ** 7v45,',O&:=*,' 9' 2)'
);'E,323' 5)834' 75 ' (4',',(' ('45,'1) 33' 15 3,'4 '
3=,&@' 9'583'8((1,(1,G

5,'47 ' 9)8&)3'45,('@(,,*,;' ;,' 24*6'&(;'),1,8',;'9)'
45,'*&34'48:,'45,'A,(,;8148 (' 9'45,8)')8)'A,9),')42)(8(?'
,&15'4 ' 583' 7('1,**' &' (&) *&' 3*,=4' ;2)8(?' 45,',&)*6

'6' <6'=6.16.:6',396369'1<81'1<6'534=,.63='=<,*29' E6'=138.>269' E6%,36'
45,8)'A ;8,3'7,),'A2)(,;'

=&)4 9 45, (8?54M A24 45, ?),&4,) =&)4 9 84 7&3 =&33,; 8(=)&6,) A6 ,&15 9 45, 1 (;,:(,; 8(583 3,=&)&4, =)83 (&)*6 (45, :)(8(? 9 4*8, #); 45,6 7,), =,):844,; 4),1,8', 45, ,215&)834 4 ?,45,)H &(; 7,), 45,(4 *; 45&4 &** 7&3),&;6 8(45, 8&>>& 9) 45,8),O,1248 (

: :,;8&4,*6 8(9) (4 9 45, ;)3 9 45, &*&>> 2A. A*81 45),, * ;?,3 5&; A,,(,),14,; (,9) 45, 835 = 9 &3 (& 75 5&; A,,(88== 8(4,; A6 45, =, &3 45, ,11*,< 38&3481&* &245)846 9)P45, ;,?)&;&48 (9 45,P45),, 9)8&)3 A,9), ;,*8',)8(? 45,: ',) 4 45, 3,12*&) &): (,9) 45, &=&* 1 : :8338 (,)3M &(; (,9) 45,),=),3,(4&48',3 9 45, *),(48(,? ',)(:,(4 (9) (4 9 45,3, &* (? =*&4< 9): 98',) 38O 9,,4 58?5 &(; ,O4,(;8(? &1) 33 &A 24 & D2&)4,) 9 45, 75 *, ,O4,(4 9 45, 8&>>& 8(45, ;8),148 (9 45, F ,44 ;,P 83&(8 GJ 7&3 ,),14,; 5&'8(? &4 45, ,(; 9 84 & 52?, 2=)8?54 34&@, 7845 & 1) 33.A&) (,&) 45, 4 = 9 84) : 45, = 8(4 9 1) 338(? &(; 9): ,845,) ,O4),:846 9 45, 1) 33.A&) 52(? 45),, 5&*4,)3 &(; 45),, 15&8(3 5, 5&*4,)3 7,), ;,348(,; 9) 45, ,O,1248 (9 45, 45),, 1 (;,:(,; :,(A6 5&(?8(? &(; 45, 15&8(3 9) 45, 323=,(38 (9 45,8) A 1*8,3 758*, 45,6 7,), A,8(? 1 (< 32:,; A6 45, 9*&:,3 9 & '&34 :&33 9 1 :A2348A*, :&4,<)8&*3 5,&=,; &) 2(; 45, 9 4 9 45, Y1) 33

AH,148 (5&; A,,(4&@,(4 45833 1)2189): &))&(?,:,(4 9 45, :,&(3 9 ;,&45M &(; 45, 1) 33.A&) 9) : 75815 45, 47 1 :=&(8 (3 9 &' (&) *& 7,), 4 A, 52(? 5&; &?&8(&(; &?&8(A,,(35)4,(,; 4 &' 8; &3 :215 &3 :8?54 A, 45, 32??,348 (9 215 &),3,:A*&(1, I

5, 75 *, 8&>>& 7&3 &3 :&6 A, 32== 3,; ;,(3,*6 1) 7;,; :&8(*6 A6 45, * 7,34 1*&33,3 9 45, = =2*&1, H &(; 84 7&3 7845 ;899812*46 45&4 45, 9981,)3 9 45, 8?( )6 @,=4.A&1@ 45, 45) (? 75 ,&?,) 9) 45, 1 :8(? 3=,14&1*, =),33,; &) 2(; 45, 34&@, &(; 45, :&4,)8&*3 9) 45, 98),

' <6 536=6.1 ,=1F,%2 :6 ,55,=416 1, 1<6 82877, *EE24:,

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9' 1 2)3,' 45,' ?),&4' A2*@' 9' 45,' 1) 7 ;' 1 (3834,;' 9' F'))&A.' A8&48 G' F' 8?8 G')' F' B),63 G' &3' 45,' 9&' 2),)3' 9' 45,' ,;818' 7,),' &4' 45&4' 48 : ,' 1&**,;' &(;' &' :,),')2998&(*6' : A' 5,' *&44,)' ,*, : ,(4' 7&3' (4&A*6' 8(1),&3,;' A6' 45,' 8(: &4,3' 9' &** 45,' ?& *3' 75 :' 45,' 8?( )6' 5&;' *8A,)&4,;' 3=,18&**6' 9)' 45,' 11&38 (' 9) :' 45,8)' 1 (98(,:,(4' =) A&A*6' 7845' &' '8,7' 9' :&@8(?' ; 2A*6' 32),' 45,' 1,)4&8(46' 45&4' 45,),' 7 2*;' A,' &' *&)?,' =),= (;,)&(1,' 9' = =2*&1,' 5 348*,' 4 ' 45,' 9)8&)3' &(;' ;,38) 23' 9' 784(,338(?' 45,8)' ;,&45

4' 7&3' &A 24' 4,(' P1* 1@' 8(' 45,' :)(8(?' 75,(' 45,' 45),,' 1 (;,:(,;' 1&:,' ; 7(' 9) :' 45,' 0" "))' 0' '8(4 ' 45,' 0 "))"# 4' 45,' A 44 :' 9' 45,' ?),&4' 34&8)3' 45,6' 7,),' :,4' A6' &' :8(81&(' : (@' 9' 45,' 1 ('(4' 9' &(4&' &)8&' < ',**& L &' ;899,),(4' A)&(15' 9' 45,' ?),&4' :8(81&(');,) L ' 75 ' 7&3' 15&)?,;' 7845' 45,' ;246' 9' 4&@8(?' 9) :' 45,' =)83 (,)3' ' 45,8)' : (&3481' 5&A84' &(;' 4523' *,&'8(?' 45, :' 1* 45,;' (*6' 8(' 45,' 7 **,8u' 2(;,)' ?&) :,(43' 7)(' A6' 45,' 9)8&)3' 7845' 45,8)' 9,,4' (&@,;' &(;' 45,8)' 5&(;3' A 2(;' &' (&) *&' 7&3' :215' : ',;' A6' 45,');,)' 4523' ?8',(' 58:C' 75815' 3,,:3' 4 ' 5&',' A,,(' 2(,O=,14,;' &@8(?' . 99' 45,' ;),33' 5,' 3&8;' A,9),' ?8'8(?' 84' 2=' 8(4 ' 45,' &(;3' 9' 45,' A) 45,)' 9)8&)' &== 8(4,;' 4 ' 4&@,' 84' 9) :' 58:' F' 5Q 5 *6' 5&A84' ' 5 7' :215' ' 5&',' * ',;' 45,,' ' 5 2' 7&34' ?)&(4,;' 4 ' :,' A6' 45,' ?)&1,' 9' B ;M' &(;' ' 5&',' 4 ' 4583 5 2)' =),3,)',;' 45,,' 34&8(*,33' 7' ' ;' (4' ?8',' 45,,' 2=M' A24' 45 2' &)4' 4&@,(' 9) :' :,' QG

5,(' =&338(?' (' 4 ' 45,' 4)8A2(,' 75,),' 45,' 835 =' 9' &3 (&' 75 ' 5&;' 9):,)*6' A,,(' &' 9)8,(;' &(;' ;8318=*,' 9' &' (&) *&' &7&84,;' 45,:' 45,' 45),,' 9)8&)3' 5&;' 4 ' 2(;,)? ' 45,' 1,),: (6' 9' ,11*,38&3481&*' ;,?)&;&48 (' 5,' 7),415,;' :&(' 4 ' 75 3,' 48 :,.3,)'8(?' A&3,(,33' 4583' 4&3@' 5&;' A,,(' &338?(,;' 9,*4' 3 ' @,,(*6' 583' 7(' ;,?)&;&48 (' A6' 45,' P=,)< 9):&(1,' 9' 84' 45&4' 75,(' &11);8(?' 4 ' 45,' =),31)8A,;' 9):2*&' 5,' 4 @' &' (&) *&' A6' 45,' &):' 583' 5&(;' 35 @' 583' ' 81,' 4),:A*,;' &(;' 583' &?84&48 (' 7&3' 3 ' ?),&4' 45&4' 8(

U ' # ' ' ' ' '

WUX 583' 1 (9238 (' 8(34,&;' 9' 3&"'8(?' &3' 45,' 9) :'),D28),;' F' ' 3,=&)&4,' 45,,' 9) :' 45,' 52)15' :8*84&(4 G' 5,' 2(;2*6' &;,;' 45,' 7);3' F',4' 4)82:=5&(4, G L F 9) :' 45,' 52)15' :8*84&(4' &(;' 9) :' 45,' 52)15' 8(' 843' 4)82:=5 G' 24' 89' 5,' 7&3' 1 (923,;'' :45,' =)83 (,)' 7&3' (4' &(;' 8: :,;8&4,*6' 1)<),14,;' 45,' ,)))3' 3&68(?'' F'9) :' 45,' 5:.15' :8*84&(4' (4' 9) :' 45,' 52)15' 8(' 843' 4)82:=59)' 45&4' 83' (4' ?8',('4 ' 45,, G' (;' 45,' 7);3' 7,),' =) (2(1,;' 8(' 4 (,3' 75815'),&15,;' 45,' ,&)3' 9' &*' &) 2(;' &(C'),:&8(,;' * (?' 8(' 45,' 5,&)43' 9' :&(6' 9' 45,:' K

5,' 9):&*' 5&(;8(?' ',)' 4 ' 45,' 3,12*&)' &):' 7&3' 45,('; (,' &94,)' 45,6' 5&;' A,,(';,1*&),;' 31583:&4813'&(;' 5,),4813' A6' 45,' &=&*' 1 :: 8338 (,)3' . 5,'),=),3,(4&48',3' 9' 45,' 18'8*' ? ',)(:,(4' 45,('),&;' 45,' 3,(4,(1,M &(;' 45,' 1 (<;,:(,;' :,(' =) 1,,;,;' 4 ' =&33' &* (?' 45,')&83,;' =*&49):' &:8;' 45,' 3,&' 9' 45,' 2=42)(,;' 9&1,3' 9' 45,8)',(,:8,3' 4 ' 45,' ;,&45.=*&1,' &4' 45,' 9: 45,)',(;' 9' 84' 2)8(?' 4583' =&33&?,' 45,' = =2*&1,' 7&3'9),,*6' &** 7,;' 4 ' &==) &15' 45,' =*&49):' &(;' &33&8*' 45,' =)83 (,)3' &(;' 3=,18&**6' &' (&) *&' 7845' ,',)6' 3=,18,3' 9' 4&2(4')8A&*;)6' &(;' 8(32*4' 24' (,845,)' 9' 45,' 45),,' 35 7,;' 45,' 3:&**,34' 7&(4' 9' 98):(,33')' 1 :< = 32),' ',(')@' 8*',34) ' 5&;' 8(' 45&4' 3 *,:(' : :,(4'),1 ',),;' 583' 1 2)&?,K')C' :,(81 ' 1 2*;' (=4' A,' =),< ',(4,;'9) :' 15&(48(?' 45,' F' ,' ,2:'G' &3' 5,' 7&*@,;' 4 ' 45,' 34&@,' &' (&) *&' 7&*@,;' *&34' &(;' 3= @,' 4781,' 8('),=*6' 4 ' =,)3 (3' 8(' 45,' 1) 7;ML 4 ' (,' 75 ' =),33,;' 9)7&);' 7845' 3 :,' 7);' 9' 1 :9)4' (' 583' *8=3' 5,' &(37,),;' F' (' 45,' 5 2)' 9' ;,&45' B ;' (*6' 1&(' 1 :9)4' 583' 1),&42),3'QG' ' &' 1,)4&8(' =)8,34' (&:,;' ,) 44 ' 75 ' &3@,;' 58:' F' 5 7' 583' 1 2)&?,' 32==)4,;' 58:' 8(' 45&4' 5 2)' 9' 4)8&*'HG' 5,'),=*8,;C' F' 2)');' 3299,),;' &3' :215' 9)' :,QG

&' (&) *&' 5&;' 4 ' 784(,33' 45,' ;,&45' 9' 583' 47 ' ;8318=*,3' A,9),' =&338(?' 4 ' 583' 7(' 5,' ;,4&8*3 9' 45,' ,O,1248 (' 75815' 5&',' A,,(' =),3,)',;' '),' *48(?*6' 8(;81&4, 45,' ,O1,33' 9' 45,' =&)46' 5&4),;' 45&4' 7&3' *,&;8(?' 45,' :: (7,&*45' 4

843)28(&(;4*8, 5))8A*, 9,) 1846 9 45, = =2*&) :8(;
I ',(45, ,O,1248 (,) 458(@8(? 4 8(?)&48&4, 58:3,*9.7845
45, = =2*&1, 7&3 ?28*46 9 5))8A*, &(;* &453 :,)8A&*;)6
8(32*4 &(;1)2,*46 4 7&);3 583 '8148:3 *8, 34) ', 3 4
:&(&?, 583 ;),&;92* 4&3@ 45&4 45, 9*&:,3 35 2*;),&15 45,
A ;6 9 &' (&) *& A,9), 45, *89, 35 2*;5&', *,94 58:
24 84 ; ,3 (4 &==,&) 45&4 5, 3211,,;,;8(; 8(? 4583
(45, 1 (4)&)6 3 :, ;,*&6 112)),;8(,99,148(? 45,
A2)(8(? 9 45, A ;8,3 8(1 (3,D2,(1, 9 &7 8(;7 5815
A*,7 45, 9*&:,3 &7&6 3), :&)@&A*6 45&4 45 3, 9 45,
F 8&?((8 G 75 7,), &: (? 45, 1) 7;A,?&(4 1)6
24 45&4 45, 98), :8)&12* 23*6),923,;4 ; 843 7)@
5, A ;8C 5 7,', 7,), A2)(,;M &(;45, 8?( )6
);,),;45&4 45, &35,3 35 2*;A, 1 **,14,; &(;45) 7(
9) :45, (4, ,1158 8(4 45,)(24 45, 1&), 4&@,(4), : ',&(;;,34) 6 ,',)6 =)48 (9 45,), :&8(3
9 75&4 5&; (1, A,,('45, 8(4,?2:,(4 9 3 :8?546 &
3 2*1 2*;(4 =),',(4 45, ,&?,)(,33 9 45 3, 75 ;,,:,;
45&4 &?),&4 =) =5,4 5&;45&4 ;&6 A,,(=24 4 ;,&45 9) :
= 33,338(? 45,:3,*',3 9),*813 4 75815 45,6 &44)8A24,;
:8)&12* 23 '8)42, &(;75815 &4 &** ,',(43 3,)',;4 @,,=
&*8',9):&(6 &?,(,)&48 (8(*),(1, 45,),',),(1, &(;
&*: 34 7)358= 9 583 3,14&)8,3 9)45, :,:)6 9 &' (&<
) *&
)1 2*;45, =) 58A848 (3 &(;'8?8*&(1, 9 32A3,D2,(4
)2*,)3 =),',(4 45, 3= 4 (75815 5, A),&45,;583 *&34
9) :A,8(? 9 2(;,',)6 6,&)48** &A 24 45, :8;;*, 9 45,
&34 1,(42)6 1 ',),;7845 9 7,)3 (45, :)(8(? 9 45,
);9 &6 45, &((8',)3&)6 9 583 :8(;,) J

'' 8394 24E 44 =1,34, 94 436.76 *4::48394.4 #1,348 4,36.14.8
:<85 D+44 0422834 418 94 #8+ 24E 4+ :<85 D4

T

*4::48394.4@=' 16=14),.;'1,' 1<6' 36=*21=' ,% #8+,.83,28@=' 168:<4.> ,2414:8Z' 8=56:1' ,% 8%%843=' 8%163' #8+,.83,28@=' 9681< <6' G83' 8>84.=1' 4=8 ' !652,38E26' =1816' ,% 1<4.>=' 4.'1<6' 2,36.14.6':8)5 *9,+4:,' ,% 428.' I682,*=' ,% O6.4:6 6' 96:496=' ,.' >4+4.>' 8==4=18.:6'1,' 2,36.:6 ,56' G422' .,1' 9,' 8.;1<4.>'1,' 8==4=1' 2,36.:6'^ 8.9' G<; 4=' +46G=' %,3' E4=' =,. <6' 9681<' ,% #8+,.83,28' :,.134E*169' 1,'36.963' 4}9,+4:,'%8+,*3B 8E26' 1,' 2,36.:6 ,*4=' V ' ,% 38.:6 4=' :284)'1,'1<6' !*:<;',% 428. ,*4=' 5365836=' 1,'4.+896' 182; 8=4=' ,%'1<6' 82248.:6'E61G66.' ,*4=' 8.9' 1<6' ,56 !4=56.=814,.' >38.169' 1,' 1<6' 36.:<' H4.> ' 2,36.14.6' 13,,5=' 96%68169' E;'1<6' 4=8.=' 4.' 8;' WUX 8,2,' O416224' 6.>8>69' E;'1<6' 2,36.14.6= 81634.8' #%,378 2248.:6' G41<' <63' 8.9' <63'=,. 116)51'1,' .6>,14816' G41<' O6.4:6' *.=*::6==%*2 #*::6==6=' ,% 8,2,' O416224' 4.'1<6' 94=134:1' ,% 4=8 <6' 2,36.14.6=' 94=8553,+6' ,% <4=' :,.9*:1' ,% 1<6' G83 #*=56:1' <4=' >,,9' %841< 831;'=54341' 26==' +4,26.1' 4.'1<6':41; O6.6148.=' 4.'268>*6' G41<'1<6' 694:4' 4.+896'1<6' 8=6.14.,' #*::6==' ,% 8,2,' O416224' 8>84.=1'1<6) <6' EE,1' 8=424, .>3814B 1*96' ,% 2,36.:6 1,G839=' O416224 #*=54:4,.=' 8.9' 94=:,.16.1=' 4.' 2,36.:6 !*H6',% 3E4.,'822,G69'1,'A*41' 4EE46.8 O6.4:6'96163)4.6=' ,.' G41<938G4.>' %3,)' 4=8 63)=',% 1<6' 8>366)6.1 4=8' 36%*=6=' 1,' =*E)41 .16.14,.=' ,% *9,+4:,' G41<' 36>839' 1,' 2,36.:6 T682,*=;' E61G66.' 83.6=6' 8.9' O416224 3681' ,*.:42' 36%*=6' 1,'+,16'),.6;'%,3' 1<6' G83 O,16=' =,)6'),.6;'81' 28=1' 4.' 8;' WUXX 6.6G82' ,% 1<6' =13*>>26' E6%,36' 4=8 *31<63' =*::6==6=' ,% O416224 6==63' 4.4634' 96228' #8==6118 4=' 24E63814,.' E;' O416224 #46>6' ,% 4=8' E6>*.'T*2;' WUXX 368:<' 6%%6:169 55,31*.41;' ,% 18H4.>'1<6' :41;' 2,=1 3681' 4.94>.814,.' 8>84.=1' O416224 828348' 81' 4=8 !681<=' ,% =*::6==4+6' 2,36.14.6' ,)) 4==4,.63= O416224'<4)=62%422 6:6==41;',%G41<938G4.>' 1<6' 83);' %3,)'1<6' 6.+43,.=' ,% 4=8 .>63' ,%'1<6' 2,3J.14.6= ' 3963=' =6.1'1,'1<6' ,)) 4==4,.63=' 81'1<6':8)5'1,' 8336=1' O416224 6'4=' :,.9*:169'1,' 2,36.:6 6D8)4.69'*.963'1,31*36 8.9' E6<68969

' 4,348: (6' 9' B28118&);8(8' &3' ?8',(' 8(' 45&4' 5834)6' 9' *),(1,' 7 5815' 5,' 7) 4,' 7845' (' 8(4,(48 (' 45&4' 84' 35 2*;' 3,,' 45,' *8?54' ;2)8(?' 583' 7(' *89,48:,' 83' 9&)' :),' '&*2&A*,' 45&(' &(6' ,O=),338 (' 9' =8(8 (' 8(' 45,' *&)?,)' 5834)6' 9

4&*6' 7)844,(' A6' 58:' 9)' 583' 7(' 1 (4,:=)&)8,3' (;' r (WUX
84' 83' 8(' 45,' 9):,)' 7)@' 45&4' 5,' A,&)3',:=5&481' 4,348: (6'
4 ' 45,' 9&2*4*,33' =2)846' 9' &' (&) *&P3' *89,' &(;' 4 ' 45,'
,O1,**,(4' :)&*' ,99,143' =) ;21,;' 8(' 45,' 1846' A6' 583'
=),&158(? J' ,',)45,*,33' 45 3,' 1*&8:3' 4 ' =) =5,481&*'
?8943' 75815' 75,45,)' 45,6' 7,),' 75 **6' 38(1,),')' (4'
75 **6' 3 ' *,;' 45,')8&)' 3 ' 3&;*6' &34)&6' &(;' 8(4 ' 3215' 9&4&*'
;899812*48,3' =) ;21,;' &' ; 2A4'),3=,148(?' 45,'),&*' 15&)&14,)'
9' 45,' :&(' 8(' 45,' :8(;' 9' 45&4' &124,' &(;' 3&?&18 23'
7)*;*8(?' B28118&);8(8' 75815' 83' 7)45' (48(?' 4' 83' 9'
(' '&*2,' 4 ' 23' 8(' &338348(?' 23' 8(' 45,' 9):&48 (' 9' 2)'
,348:&4,' 9' 45,')8&)P3' 15&)&14,)M 9)' 45,' 8:=) ',;' =3615 <
* ?81&*' 318,51,' 9' 45,' =),3,(4' ;&6' =*&1,3' &4' 45,' ;83= 3&*' 9'
',)6');8(&)8*6' ?894,;' :8(;3' 8(' 2)' ?,(,)&48 (' ',)6' :215'
:),' ,99818,(4' :,&(3' 9)' 45,' &(&*6383' &(;')8?54' 1 :=),5,(<
38 (' 9' 3215' &' :&(' &3' &' (&) *&' 45&(' 7C,)',' = 33,33,;' A6'
,',(' &' B28118&);8(8' 45),,' 52(;),;' 6,&)3' &? ' 24' 84' 83'
12)8 23' 4 ' A3,)',' 45,' ,99,14' 9' 45 3,' 32=,)(&42)&*' 1*&8:3'
(' &(' &124,' :&(' 9' 45,' 7)*;' 9' 45&4' 48:, ' F ,)6' :&(6'
5&',' 9)' &' * (?' 48:,' A,*8,',;G' 3&63' 5,' F' 45&4' 4583' :&('
7&3' &' 4)2,' :,33,(?,)' 9) :' B ;' &(;' &' =) =5,4' (47845<
34&(;8(?' 45,' ,O1 : :2(81&48 (' 45,' 4)8&*' &(;' 45,' ,O,1248 ('
' &:' :63,*9' ; 2A492*' &(;' 5&',' (4' A,,(' &A*,' 4 ' 1 :,' 4 '
&(6' ;,18;,;' =8(8 ('1 &(;' '),3,)',' :63,*9' 9)' 45,'),',*&<
48 (3' 9' 48:,' 75815' 78**' :&@,' &**' 1*,&)' 89' ' 35&**' *8',' * (?'
,(2?5' 523' :215' 5 7,',)' 3,,:3' 1,)4&8(' 45&4' 89' 5,'
7&3' &' ? ;' :&(' 7C,' 5&',' 3,,(' 8(' 45,3,' 2)' ;&63' &' ?),&4'
=) =5,4M' 89' 5,' 7&3' A&;' 7,' 5&',' 348**' 3,,(' &' ',)6' ?),&4'
:&(M 38(1,' A,38;,3' 583' *84,)&)6' :,)84' 89' 84' 35&**),&**6' 5&',
A,,(' 4)2,' 45&4' 5,' 7&3' &A*,' 4' 3234&8(' 9)' 3' :&(6' 6,&)3' 3'
8:',(3,' &(;' =2A*81' &' ;8338:2*&48 (' 7845 24' 5&'8(?' ,',)'
A,,(' ,',(' (1,' ;831 ',),;' 8(' &' 9&*3846' 84' :234' A,' 1 (<
9,33,;' 45&4' 5,' :234' 5&',' 5&;' &' : 34' =) 9 2(;' H2;?:,(4'
?,(823' &(;' 8(',(48 (

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24' 7845'),?&) ;' 4 ' 583' = 5481&*' =)8(18=*,3' &(;' 8(9*2,(1,'
(' 583' 48 : , ' B28118&) ;8(8' 75 ' 7 2*;' &332), ;*6' (, ' ,)' 5&' ,'
' ,(42), ;' 4 ' 3&6' &3' : 215' 8(' 583' =2A*835, ;' 5834)6' 9' 4&*6 '
,0=),33,3' 58 : 3,*9' &3' 9, ,*8(?' (' ; 2A4' &4' &**

F' 94,)' 45,' A&(835 : ,(4' 9' 8,) ' ; ,P ,;818 G' 7)84,3'
45,' 5834)8&(' F' &(;' &94,)' 45,' 1&*5(?' 9' &' =&)*8& : ,(4' 45,),<
2= (' 45,' : : (7,&*45'), : &8(, ;' 8(' &' 34&4,' 9' '8 *,(4'
1 ('2*38 (' 5,' 9)8,(;3' 9' 45,' *;') ;,)' 9' 458(?3' 7,),'
(7' 45,' AH,14' 9' 3 ' ?,(,)&*' &(' 241)6' &(;' 45,' 1&23,' 9' 3 '
: 215' ;&(?,)' 45&4')&(1,31 ' &*)8' &(;' 8,) ' &== (8'
7,),' = 7,)*,33' 4 ' ;,9,(;' 45, : M &(;' 45,),' 7&3' ?),&4'
;&(?,)' 45&4' 45,6' : 8?54' 5&',' A,,(' ',)75,*: , ;' &(;' 8('
3215' (2 : A,)3' 45&4' 84' 7 2*;' 5&',' A,,(' &' : 34' ?)8,' 23'
7 2(;' 4 ' 45,' (8 : (7 ,&*45' 8(&3 : 215' &3' 45,6' 7,),' 9)'
45,' : 34' =&)4' 1848>,(3' 9' ? ;' 34&(;8(?' 7,&*456' &(;'
;831),,4' : ,(' 9' ?),&4' 9& : 8*8,3' &(;' 9' 78;,*6' 3=),&;8(?'
1 ((,148 (3' (;' 89' 4583' 5&;' 5&==,(,;' ;832(8 (' &: (?'
45 3,' 75 ' 5&;' = 7,)' 8(' 45,8)' 5&(;3' 7 2*;' 3 (' 5&','
&)83,(' &3' 7&3' 3,,(' 8(' 45,' 1&3,' 9' /45,' 7,(46 PJ' 75 '
A,1&: ,' ;8'8;,;' A,1&23,' 45,6' 1 : =)83,;' : &(6' : ,(' 9'
(,&)*6' ,D2&*' &245)846' &(;' 8(9*2,(1,' 75 ' 7,),' ,&15' 9'
45, : ' & : A848 23' 9' 3,12)8(?' 9)' 45, : 3,*' ,3' =)8(1,*6' = 7,)' 9'
94,)' 45&4' 7 2*;' 5&',' 9 ** 7,;' 9),35' ;834 : PA&(1,3' &(;'
:),' =&)*8& : ,(43' =) 31)8=48 (3' 9' 1848>,(3' &(;' :),' 45&(

'" <81' E,839' ,%' 1G6.1;' '8:,,55481,34 (' 1,' G<,) ' 8=' 41' G422' <6' 36) 6) B
E6369' 1<6' G<,26' 5,G63' ,%' 1<6' =1816' G8=' 6.13*=169
1' ' <6' 855614+8.,' 42' 534.:4581, (8') ,=1' .,16G,31<;' 8==6314,.' G<4:<'
1<6' G34163' G,*29' .,1' <8+6' +6.1*369' 1,') 8H6' 4%' <4=' G3414.>' <89' E66.'
4.16.969' %,3' :,.16) 5,383;' 5*E24:41;' ,' * .963=18.9' 1<6' 6.1436' =4>.4%4:8.:6'
,%' 1<6' =1816) 6.1' 1<6') 68.4.>',%' 1<6' 5<38=6' '42' 534.:4581,(' 4.' 1<6'),*1<',%'
8' 2,36.14.6',%' 1<81' 8>6') *=1' E6' E,3.6' 4.') 4.9' 1' G8=' .,1') 6362;' 1<6'
26894.>',3' 6+6.' 96=5,14:' 8*1<,341;' E*1' 96=5,14=)' 4.' 1<6' %,3)' ,%' 8.' 8E=,2*16'
8.9' 8+,G69' 9' 1;38.1 (' *1') 8.;' ,1<63=') *=1' <8+6' E66.'),36' ,3' 26=='
:26832;' 8G836',%' 1<6' %8:1' G<4:<' *4:48394.4=',' E3,892;' 8%%43) =' .9' G<81'
<,56' 41') 8;' E6' 8=H69'F:,*29' 8.;' ,%' 1<,=6' :41476.=' <8+6' <89',%' 1<6' %*1*36'
24E63146=',%' 1<643' :,*.13;' G<6.' 68:<' ,.6',%' 1<6' %,36),=1' :41476.=',%' 1<6'
65*E24:' G8=' >*421;',%' =*:<' 1368=,.' 8>84.=1' 1<6)' ~' <81' 4.' %8:1' 1<636' G8='
.,' =*:<' <,56' 4=' 823689;' E*1' 1,' :2683

(,), ' *248 (,)5&=3 45,), 32*4 7 2*; 5&', A, , (' &' '8 *, (4), 34)&48 (' 9 45, , ; 818 &44, (; , ; A6 45, 32=), : , ; , 34)2148 (' &(;)28(' 9 45, 1846 &' (&) *& &* (, &)), 34, ; 45, 3, ' 9)1, 3 &(; =)&*63, ; 45, : ', : , (4 9 45, : , ' 8(4) ; 21, ; 45, B), &4 2(18* &(; A6 45&4 : , &(3 =24 & A)8; *, (' &** 45 3, 75 7,), A, (4 (' 45, 8) 7 (' &??)&(< ; 8>, : , (4 , , 34&A*835, ; 45,)8?54 9 &==, &* 4 45, 8?( )6 75815 1 (348424, ; & 3&9, ?2&) ; 9) 45, *8', 3 9 45, 1848>, (3 , : &; , & ?, (,)&* =, &1, A, 47, , (' &** =&)48, 3 75815 8(' 9&14), : ', ; P 45, ==)42(846 9) =) 1, , ; 8(? =, (&**6 &?&8(34 45, 9)8, (; 3 9 45, *&4, ; 6(&346 2(; ,) 45, =8P, 4, O4 45&4 45, 6 : , ; 84&4, ;), 42)(8(? 4 84 5, 3, : , & 388), 3 7,), 7845 24 &(6 ; 2A4 45, 3&*'&48 (' 9 45, 1846 &(; 7,), &3 5, 58 : 3, *9 : 34 4)2*6 3&8; 8(' 45, 8(4,), 34 A 45 9 45 3, 75 5&;), 1, (4*6 5, *; 45, = 7,) 8(' 45, 8) 5&(; 3 2(; ,) 45, , ; 818 &(; 9 45 3, 75 7,), (7 &(; 9) 45, 9242), 1&**, ; (' 4 5 *; 84 GJ

F 5, 3&*'&48 (' 9 45, 1846 Q G L 3215 F 3&*'&48 (' G &3 84 7&3 348** = 338A*, 4 =&415 2= 9) 6, 4 &*844*, 7 58*, Q &' (&. P) *& 8(' 45, 5, &4 &(; 45, &* : 34 , 134&481 , (45238&3 : 9 583 7)@5 =, ; 9) A, 44,) 458(?3 L : 215*&)?,) 458(?3 4 45&(' 45, 3&*'&48 (' 9 (, 1846 H L *), (1, 7&3 4 58 : &' 3)4 9 E,)23&*, : 9) : 75815 45, T3&*'&48 (' &(; , '&(?, *>8(? 9 45, 75 *, 9 5)834, (; : 7&3 4 ? 9)45 H A24 B28118< &); 8(8 7*8, (' 5, 7) 4, : 234 5&', 7, ** @(7 (' 45&4 45, 1846 7&3 9&) =&34 &(6 3215 3&'8(?M L : 234 5&', @(7 (' 84 &* : 34 &3 7, ** &3 7, @(7 84 (7

(' 4)245 &94,) 45, =) =5, 4 5&; A, , (' &4 *&34 ; (, 4 ; , &45M &(; &94,) 583 , (, : 8, 3 =) 1, , ; 8(? &11); 8(? 4 45, 9&358 (' 9 ? ; 523A&(; : , (' 75 4&@, &** 1&), 4 A2)(' 24 45, 244,) : 34 98A), 3 &(;) 43 9 (O8 23 7, , ; 3 7845 98), 5&; 3, ; 2* 23*6 37, =4 2= &(; 1&)4, ; 99 45, &35, 3 9 58 : 8(4 45,)(45, = *8481&* 24* @ 9 45, : .

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UX! : (7,&*4*8' 7&3' &3' ?* : 6' &3' 84' 1 2*;' 7,**' A,' 83<
&== 8(4 : ,(4' ,(32,;'8(34&(4*6' ,',(' 8('45,' :&44,)' 9'45,'1
38 : =*,34' 9' &**' 45,' ,O=,14,;' 1 (3,D2,(1,3' 75,(' 45,'
8?( )6'5&'8(?' ; (,'45,' ;,,;'5,*;' 24'45,8)'5&(;3'4 '45,'
=,' 4 '),1,8',' 45,+'=)81,' 9' 84' *,O&(;,)' 7588*,' 583'
92)8 23'4588)34'9)''',(?,&(1,'5&;' A,,(' 348**' 2(3&48398,;'5&;'
&A 2(;,;'8(' =) :83,3' 45&4' ,',)6458(?' 35 2*;' A,' :&;,'
=*,&3&(4'4 ' 45,' ,=2A*81' 8(' 583'),*&48 (3'7845' 84' (;'&3'
9&)'&3'&**.,:A)&18(?'&A3 *248 (3' 7,(4'5,'7&3' (' (8??&);
' 24'8(' 45&4''84&** :&44,)' 9'45,'4&O' (',11*,38&3481&**=) =,)46'
45,' 8?( )6'3,,:,;'4 'A,'&3'9&)'9*9'&3',',)'9) :' A4&8(8(?'
45,8)';,38),' (;'5 7' 7&3'45,'7&)'&?&8(34' 83&'4 'A,'
1&))8,;' ('b

5,'9),:34'&(;' :34'2)?,(4' = 8(4' 9' &**' 8(' 45&4'
D2,348 (' 9'45,'3&*'&48 (' 9'45,'1846'8(' 45,',6,3' 9'
*),(48(,3' 9'&**'?)&;,3'1*&33,3'&(;'=&)48,3'45,' (*6'= 8(4'
(' 75815' :,(' 9',',)6'= *8481&** 1 * 2)'7,),' &?),,;'7&3'
45,';,34)2148 (' 9'45,'*8A,)48,3' 9' 83&'&(;'),.8:= 3848 ('
(' 45&4' 1846' 9'45,'6 @,' 9' *),(48(,';,3= 483:' (;'C
5,),'83'&'=8142),' 9'45,'1 (;848 (' 9'45,'=) 3=,143' 9'45,'
: : (7,&*45'8(' 45&4'),3=,14''',)6'?)&=581&**6'?8',('8('&'
),=)4'9) :'45,'0&)' &);'J'4 '45,'F')&481&'G',(?&?,;'8('
;,*8A,)&48 (3'&3'4 '45,'&(37,)'4 'A,' :&;,'4 '45,' =,P3'
;,:&(;3'758*,'45,'4)8&** 9' &' (&) *&'7&3'8(' =) ?),33'
F 0,'5&',' 3=,(4G'3&8;' ,33,)' &44834&' 8; *98'8(' 45,'
(&:,' 9'45,' &);'F'47,(46'45 23&(;' ;21&43M &(;' 9'45,'
9894,,('45 23&(;'&' :(45'75815'6 2'5&',' &338?(,;'4 '23'
31&)1,*6'&(6458(?'5&3' A,,('),1,8',;' 5,'(2:A,)' 9'45,'
,(,:6'8(1),&3,3'9) :';&6'4 ';&6' 5,' ,(,48&('358=3'&),'
A* 1@&;8(?' ,?5)(' 5,',01,338',' =)81,' 9' =) '838 (3'
&(;'45,'&A3,(1,' 9' ;8318=*8(,'& : (?'45,'4) =3'7 2*;'
=),',(4'23'9) :',0,1248(?'&(6': ',:,(4'89'(,,;'35 2*;

Z' <6' ' ! 469'94' 8:6'6' 4E6318 ('8='1<6' ,)) 4==4,.63='%,31<6':,.9*:1',%
1<6'G83'ZG636'8E=*392;':82269'4.=1689',%'E;'1<643'%,3)63'),36'=6.=4E26'14126'
1<6' ' ! 469'94' *6338 (

),D28),'84' 4' ,?5)('&'=*&1,' 9'45,'24: 34'8:=)4&(1,' WUX
&3'&': ,&(3' 9'),1,8'8(?' ?)&8('&3'&'3,&4' 9'1 : : ,)1,'&(;'
&3'&'=*&1,' 9'4)&(3=)4'9)'&)48**,)6'),=&8)3'&),'2)?,(4*6'
(,,;,;' 7A81*8' 1&((4'A,' ,O,124,;' 9)' 7&(4' 9' : (,6'
*4,))&' 75815'84'83'',)6'8:=)4&(4'4 ' ?&))83 ('83'244,)*6'
&A&(; (,;M'45,' 58**' 1 2(4)6'83'&*4 ?,45,)' (,?*,14,;' &(;'
&4'45,' 98)34' : ', : ,(4'7 2*;' 9&**' 8(4 ' 45,' 5&(;3' 9'45,'
,(,:6' (;' 45,' * 7*&(;3' &),' 8(' (' A,44,)' 1 (;848 ('
,318&'&(;' 45,'75 *,' 9'45,' &*;8(8,' *,'*8,3' =,('4 ' 45,'
,(,:6' ('45,';834)814'&A ',' ?*8&(' &' : 34'8:=)4&(4'
= 3848 ('45,' 9981,)3'45,' : :8338 (,)3'&(;'45,'4) =3'&),'
&**' 1)68(?' &* 2;' 9)' : (,6' 5,' 83&(3' &),' &*),&;6'
:&@8(?')&8;3'8('45,' &),:)&&M &(;'45,' =,348*,(1,' 9'45,'
:&*&)8&'J' ; ,3'45,'),34' 5,8)');3583=3' : 6'1 **,&?2,3'
),D2,34'45,),9),' 45&4' =) '838 (' :&6'A,')(&;,' 9)'45,3,'
(,1,33848,3' &4' &**' 1 343' 9)' 45,' : 34'8:=)4&(4'8(4,),343'
9'45,' : : (7,&*45' &),' &4' 34&@,M' &(;' 75&4,',)' :&6'
5&==,('45,6'5&'8(?'*&8;' 45,3,' 458(?3' A,9)' 6 2' 5 *;'
45,:3,*',3'&3'(4'),3= (38A*,' " ' . #** 9
5,'5)8> ('7&3',)6'A*&1@M A24'&3'232&*'45,'H,&* 238,3'
&(;'9,&)3'&(;'9&).9),1&348(?' 5 =,3' 9'45,' '&)8 23' 45,)'
4&*8&(' = 7,)3' 1&:,' &3'45,6'5&;' 3' 94,(' ; (,' 4' 45,'
&33834&(1,' 9' (,' 9'45 3,'1 (48(2&**6'=* 448(?'&(;'315,:8(?'
1 : :2(848,3' 75,(' (' 45,' = 8(4' 9'A,8(?' =*2(;,),;')'
)28(,;'9)'45,' =) 984' 9'&(45,)' 9'45,'9&:8*6' 2; '81'
8**' 5*)' 9' 8*&(' =,)5&=3'45,'@,,(,34' = *84818&(' 9'&**'45,'
)&1,' 9'45,:' A,?&(' 4' 9,,*' &*&&P:,;' &4'45,' =) 3=,14'
45&4'45,' ,(,48&(3' :8?54' :&@,' 45,:3,*',3' =,):&(,(4*6'
:&34,)3' 9' 83&' (;'5,'?)&;2&**6'&;'&(1,;'9) :'1&248 23'
2(;,)5&(;',(1 2)&?,:,(43' 4' 45,' *),(48(,3'8('45,'98)34'
8(34&(1,'4' =,(' =) :83,3'&(;'*&34*6'4' ,99,142&*' &143' 9'
&33834&(1,' &3'45,' ;,',* =:,(4' 9'45,' = *8481&*' 3842&48 (

Z' <6'94=134:1'83,*.9' 4=8'81'1<4=' 5634,9'=*%%6369'82),=1'8=' E892;'%3,)'
)828348'8=1<6' 8)58>.8',%' ,)6'81'1<6'536=6.1'98;'
1' 65,31':4169'%3,)'1<6' 3:<4+6='E;'O422834' 418'94'#8+ ' +,4' 44' 5"

;,A&215,)6' 45,' 9 2*,34' &(;' : 34' * &453 :,' 45&4' 5&3',',)' A,,('9)1,;'8('45,'8(4,),34' 9' 4)245' 2= ('45,'),*214&(4',&)' 9' :&(@8(;' 45,' 3=)48','=) 34842 48 (' 9' ,11*,38&3481&*' ;8?(848,3' 4' A,' 45,'),7&);' 9' 8(9&: 23' :8(834,)3' 4' 583' 31&(;&* 23' =*,&32),3' 45,'35,;;8(?' 9' A* ;'9)'45,'?)&4898< 1&48 (' 9' 583' ',(?,92*' =&338 (3 L &*' 45,3,' 7,),' A24' 45,' &:23,:,(43' 9'583' *8?54,)'5 2)3' ' :&@,')?8&'&'(&:,' 8('45,'9834' 9' 4&*8&('F'46)&(43 G L 4583' 7&3'45,'),&*' AH,14'9)' 75815'5,'*8',;'&(;'9)'75815'5,'5&;'=2)15&3,;'45,' &=&16)'7&3'5,';8',)4,;'9) :'84' A6'45,'2(4 7&);'&118;,(43' 9' ; :,3481' :2);,)'&(;'9)&4)818;,' 8(1,'&'9)&4)818;&*' 5&(;' 5&;';,=)8',;'58:' 9' (,'3 ('8(&3:215' &3' 45,' :2);,),)' 32)'8',;'45,' :2);,),;' :&('84' A,1&:,'(,1,33&)6' 45&4' 45,' 9)&4)818;,'35 2*;'A,'45,'34 1@' 9' &'9242),'*8(,' 9'=)8(1,*6')?8&3' ,'5&;':&;,'45,'A* ;34&8(,;' :(34,)'583'3 (' ,3&),'&' &);8(&*M' 92)(8358(?' 3&4839&14)6' =) 9' 45&4' 5,' 7&3' 9'*,?848:&4,'A8)45'&(;'('3 (' 9'583'&3'7&3'(,1,33&)6' 4',(&A*,'58:'4' 5 *;'45&4' ;8?(846' 24' 75,('84'A,1&:,' ,O=,;8,(4'45&4'4583' ,3&),'35 2*;'A,':&;,'45,'*&6'9 2(;,)' 9'&'=)8(1,*6'9&:8*6'5,' ;,=)8',;'58:' 9'45,'=2)=*,'A)8(?< 8(?'9)7&);'&3'&'),&3 ('9)' ;8(?'3'1 (1*238',' =) 93' 9' 583' 8**,?848:&16' (;' (7' 75,('84'A,1&:,'&' D2,348 (' 75,45,)'5,'35 2*;'1 (4)8A24,'4'),34),' 83&'4' 45,' * .'),(48(,')2*,' 45,' *6' &45,)'7&3'8(4,(4*6' 112=8,;'8(' * @8(?' 24'9)'F'&(',34&A*835:,(4'G'9)'583'3 (J 583' =)8:&)6'1&),'84'7&3'75815' ;,4,):8(,;' *,O&(;,)' 4' A),&@' 583' =) :83,':&;,'4' 2;'81' 45&4' 5,'7 2*;' 3,(;'&8;'4' *),(1,' &(;' 75815' =),',(4,;'58:' 9) :' &11,;8(?'4' 45,' =,4848 (' 9' 45,' 8?( )6' 45&4' 45,6' :8?54' A,'&** 7,;'4'*&6'&'4&O' (',11*,38&3481&*' =) =,)46 4' 78**' (4' 5&',' A,,(' 9)? 44,(' 45&4' 45,' 48:,' 7&3' 75,(' *),(1,'1 2*;';' 45&4' &4' (,,;' 7845 24' &3@8(?' &(6' &=&*' 1 (3,(4'4' 45,' :,&32),' 24' 45&4' 7&3' 8(' A,44,)' 48:,3'* (?'38(1,'&(835,;'Q

! WUX

4‘ 7&3‘ D284,‘ 2= &‘ 45,‘ 1&);3‘ &3‘ *,O&(;,)‘ &(;‘ 583‘ 3 (‘ ,3&),‘)?8&‘ 1 (1,8',;‘ 45&4‘ 8(‘ 45,‘ =),3,(4‘ ;8342)A,;‘ 1 (;848 (‘ 9‘ 231&(6‘ &(;‘ ;2,‘),?&);‘ A,8(?‘ 5&;‘ 4 ‘ 45,‘ 8(4,)(&*‘ = *8481&*‘ 3842&48 (‘ 9‘ *),(1,‘ 3 :,‘ 1846‘ &(;‘ 9&8)‘ 3*81,‘ 9‘ 1,(4)&*‘ 4&*6‘ :8?54‘ =) ',‘ 4 ‘ A,‘ 45,‘ ;,348(,;‘ * 1&*846‘ 9‘ 45,‘ 92428P,‘)?8&(‘ ?),&4(,33‘ 24‘ 8(‘ &(6‘ 1&3,‘ 84‘ 7&3‘ &A ',‘ &**‘ 458(?3‘ (,1,33&)6‘ 4 ‘ 45,‘),&*8>&48 (‘ 9‘ &(6‘ 3215‘ 5 =,3‘ 45&4‘ 4&*6‘ 35 2*;‘ (4‘ A,‘ =,):844,;‘ 4 ‘ 38(@‘ 8(4 ‘ &‘ 34&4,‘ 9‘ =,&1,‘ &(;‘),= 3,‘ 5&4‘ 7 2*;‘ 8(;,,;‘ A,‘ 9&4&*‘ 4 ‘ 45,‘ =) = 3,;‘ 1&)'8(?‘ 24‘ 9‘ (,7‘ 34&4,3‘ &(;‘ 45,‘ 9 2(;&< 48 (‘ 9‘ (,7‘ ;6(&348,3‘ (;‘ (7‘ 4583‘ =,(‘ 3),‘ 9‘ D2&)),*‘ A,47,,(‘ *),(1,‘ &(;‘ 83&‘ 7&3‘ 45,‘ (*6‘ 8:=,;8:,(4‘ 4 ‘ &‘ 1 (32::&48 (‘ 3 ‘ 34) (?*6‘ 4 ‘ A,‘ ;,=),1&4,;‘ 3‘ * (?‘ &3‘ 45&4‘ 3),‘),:&8(,;‘ =,(‘ 45,),‘ 7&3‘ &*7&63‘ 5 =,‘ 45&4‘ 84‘ :8?54‘ 3=),&;ML (&6‘ (,&)*6‘ 45,‘ &332)&(1,‘ 45&4‘ 84‘ 7 2*;‘ ;‘ 3 ‘ **‘ 458(?3‘ 7,),‘ 4523‘ = 338A*,‘ 7);3‘ 7,),‘ @,=4‘ 24‘ 9‘ 45,8)‘ 31&AA&);3‘ 5,‘ ?&:,‘ 7&3‘ &*8',M &(;‘ &(6‘ 2438;,)‘ 7,**‘ A&1@,;‘ :8?54‘ 1 :,‘ 8(‘ &‘ 78((,)‘ 24‘ 7845‘ 83&‘),34),;‘ 4 ‘ *),(1,‘ &**‘ 4583‘ 7 2*;‘ A,‘ &4‘ &(‘ ,(;‘ 4&*6‘ 7 2*;‘ A,‘ &4‘ =,&1,‘ 9) :‘ 45,‘ *=3‘ 4 ‘ 45,‘ 3,&‘ &(;‘ 45,‘)?8&3‘ 7 2*;‘),:&8(‘ 2(=) '8;,;‘ 9)

5,),9),‘ =,‘ *,O&(;,)‘ 7 2*;‘ ;‘ (458(?‘ 45&4‘ 1 2*;‘ 1 (4)8A24,‘ 4 ‘ 4583‘),32*4

5,‘ ? ;78**‘ 5 7,',)‘ &(;‘ (7‘ 45,‘ =,(*6‘ ?8',(‘ &33834< &(1,‘ 9‘ 8*&(‘ 7&3‘ 3299818,(4‘ 4 ‘ 8(3=8),‘ 45,‘ *),(48(,3‘ 7845‘),(,7,;‘ 1 2)&?,‘ &(;‘ 9),353‘ 5 =,3‘ 9‘ 3211,33‘ 8(‘ 45,‘ 4&3@‘ 9‘),1 ',)8(?‘ 83&‘ (;‘ 45,‘)2*,)3‘ 9‘ 45,‘ 1846‘ 7,),‘ &7&),‘ 45&4‘ (,‘ 9‘ 45,‘),&3 (3‘ 75815‘ 5&;‘ 8(;21,;‘ 2; '81 ‘ 4 ‘ ;,4,):8(,‘ (‘ 9)&(@*6‘ 1 :8(?‘ 4 ‘ 45,8)‘ &33834&(1,‘ 7&3‘ 45,‘ ;,&45‘ 9‘ &';(&) *&‘ &(;‘ 45,‘ 1 :=*,4,‘ &31,(;&(16‘ 9‘ 45,‘ =&)46‘ == 3,;‘ 4 ‘ 58:‘)‘ 2; '81 ‘ 7845‘ 45,‘ 4)2,‘ 8(348(14‘ 9‘ &‘ 46)&(4‘ 5&;‘ 9,*4‘ &(‘ 8(32=,)&A*,‘ &',)38 (‘ 9) :‘ 1 ((,148(?‘ 58:3,*9‘)‘ 583‘ 9)42(,3‘ 8(‘ &(6‘ 7&6‘ 7845‘ &‘ 34&4,‘ 2(;,)‘ 45,‘ 8(9*2,(1,‘ 9‘ 3215‘ &‘ 45) 2?5.? 8(?‘ ;,: 1)&4‘ &3‘ 45,‘)8&)‘ ,‘ 5&4,;‘ 58:‘ &(;‘ 583‘ ; 14)8(,3‘ &(;‘ 583

= *816' 3' * (?' &3' 45,' = 7,)' &(;' 3211,33' 9' *),(1,' ! : ,&(4' 45,' = 7,)' &(;' 3211,33' 9' &' (&) *&' &(;' 583' =&)46' WUX &(;' 583' =)8(18=*,3' 2; '81 ' 7 2*;' ; ' (458(?' 4 ' &33834' *),(1,M J L 7 2*;' 5&','=),9,)),;' 45&4' 35,' 35 2*;' 8(' ,',)6' ;!"' 1 :,' 4 ' 4) 2A*,' &(;' * 33' 9' 5,)' 8(9*2,(48&*' = 3848 (' 8(' 4&*6' 24' 7845' 45,C 3)4' 9' :,(' (7' &4' 45,' 5,&;' 9' 45,' : : (7,&*45 5,' 45 2?54' 5,' 3&7' 45,' = 33 ' A8*846' 9' :&@8(?' &(' &;'&(4&?, 23' &**8&(1,M L &(' &**8&(1,' 8(;,,;' 75815' 7&3' 8(4,(;,;' A6' 45,' 35),7;'&(;' =) '8;,(4' 2; '81 ' 4 ' 3,)',' 58:' 9)' &' ',)6' 8:=)4&(4' =2)= 3,

5,),' A,?&(' &A 24' 4583' 48:,L 45,' 32:: ,)' 9' - L ' 4 ' A,' 3,,(' &' =) A&A8*846' 45&4' &' (,7' =*&6,)' :8?54' 35)4*6' &==,&)' (' 45,' 8(4)81&4,' = 5481&*' ;)&:&' 45&4' 7&3' A,8(?' =*&6,;' (' 45,' 4&*8&(' 34&?,' 5&)*,3' ' 9')&(1,' &3' 5&3' A,,(' :,(48 (,;' 5&;' ;8,;' 8(' =)8*' 758*,' 45,' 4)8&*' 9' &' (&) *&' 7&3' 348**' 8(' =) ?),33M &(;' 5&;' A,,(' 3211,,;,;' (' 45,'),(15' 45) (,' A6' 283' % ' 7' 283' % ' 7&3' (4' (*6' 45,' 8(5,)84)' 9' 45,' 1*&8:3' 9' 583' =),;,1,33)' 5&)*,3' 4 ' 45,' 45) (,' 9' &=*,3' A24' 7&3' 45,' ?)&(;3 (' 9' &*,(48(,' 45,' ;&2?54,)' 9' B8 '&((8' B&*,&>>' 831 (48' 75 ' 5&;' :&))8,;' 583' ?)&(;9&45,)' 283' 45,' 2@,' 9')*,&(3' A) 45,)' 9' 5&)*,3' ' 9')&(1,' 7845' 45,' ,O< =),33' 348=2*&48 (' (' 45,' =&)4' 9' B8 '&((8' B&*,&>>' 45&4' (' 9&8*2),' 9' 583' :&*,'*8(,'[75815' 112)),;' (' 45,' ;,&45' 9' 583' 3 (' 8*8==' &)8&' 831 (48]' 45,' 5,8)3' 9' &*,(48(,' 35 2*;' 3211,,;' 4 ' 45,' 2156' 9' 8*&(')&(1,31 ' 9)>&' 45,' 523A&(;' 9' 8&(1&' 45,' (&42)&*' ;&2?54,)' 9' 8*8==' &)8&' 831 (48' 5&;' 5 7,',)' 1*&8:,;' &(;' :&;,' ? ;' 583' 1*&8:' 4 ' 45,' 3211,338 (' A6' 9)1,' 9' &):3' &(;' 45,' &8;' 9' 9)42(,' 24' 5&)*,3' 9')*,&(3' 45,' 3 (' 9' &*,(48(,' 831 (48' &(;' 45,' 9&45,)' 9' 283' % ' 5&;' (,',)' 1,&3,;' 4 ' &33,)4' 583' 1*&8:' 45 2?5' 5,' 5&;' (,',)' A,,(' 8(' &= 3848 (' 4 ' &44,:=4' &(6458(?' 4 7&);3' :&@8(?' 84' ? ;' 7 ' 5 7.

15&(?,3 &(;' 15&(1,3' 45&4' &(45,)'),(15' 8('&38 (' :8?54 WUX
A)8(?'&A 24

(;'45,'=),'838 (' 9'4583',',(4'5&;'A,,(' &' :&8('),&3 (' 7845' 2; '81 ' 9)' 78358(?' 4 ' A,' 9 2(;' 75,(' 84' 35 2*;' 5&==,(' 45,' 9)8,(;' &(;' &**6' 9' *),(1,' 9)' *),(1,' 348**'),:&8(,;'45,' (*6'= 7,)'8(' 4&*6'4)&;848 (&**6'&44&15,;' 4 '45,' 23,' 9')&(1,

8)12:34&(1,3' 5 7,',)' =) ;21,;' &' 3,1 (;' 9)8,(;358='A,47,,(' 283' % ' &(;' &(45,)' 9' 45,' 4&*8&(' = 7,)3' 5,'),(15' @8(?' 5&;'9 2(;' 58:3,*9'8(' (,,;' 9' 45,' &=&*' &33834&(1,' 9)' &' *844*,' =)8'&4,' :&44,)' 9' 583' 7(M &(;' *,O&(;,)' 5&;' A,,(' &3' D281@' &3' &(6' 9' 583' 9,** 7.= 4,(< 4&4,3' 4 ' =,)1,8',' 45&4'45,'9)8,(;358=' 9' &' $8(?' 9')&(1,' 75 ' :8?54'A,' ,O=,14,;' ',)6'35)4*6'4 '1) 33' 45,' *=3' 7845' &'),(15' &):6'&4' 583' A&1@' 7&3' *8@,*6'4 ' A,' &' ',)6' ;,< 38)&A*,' 458(?' 5,' *6' &45,)' 45,),9),' 5&;'),&3 ('4 ' 458(@' 58:3,*9' ',)6'9)42(&4,' 8(' 45&4' 45,' 3,)'81,' 75815' $8(?' 283'),D2@,;' 9' 58:' 7&3' 9' 3215' &' (&42),' &3' 4 ' H234896'58:'8(' =2448(?'&'58?5'=)81,' (' 45,'&)481*,

5,'9&14' 7&3'45&4' 283' 7&3' :&))8,;'4 '45,'3834,)' 9'45,' *&4,' $8(?' 5&)*,3M A24' 35,' 7&3' 2?*6' 158*;*,33' &(;' &**' A24' ;,9):,;J' ,38;,3' 4583' 45,' 78; 7' 9' 583' 1 238(' 5&)*,3' 7&3' A6' 8(5,)84&(1,' 215,33' 9')844&(6M &(;' 283' 7&(4,;' 38:=*6' 4 ' ?,4')8;' 9' 583' =),;,1,33)P3' 3834,)' &(;' 4 ' 4&@,' 583' 78; 7' 4 ' 789,' 8(34,&;' 7' 8(&3:215' &3' 45,' &14' 9' &=&*' *,?,);,:&8(' 75815' 7&3' (,,;,;' 9)' 45,' ,O,1248 (' 9' 4583' 315,:,' 7&3' &3' B281< 18&);8(8'9'=5)&3,3' 84' F&);2 23' ;899812*4' &(;' 1 (4)&)6' 4 ' &**' 5 (2)' &(;' 5 (,346 G' 45,' *6' &45,)' 1 2*;' (4' A,' ,O=,14,;' 4 '=,)9):' 84' 7845 24' &' 3284&A*,'),1 :=,(3,' A6' 7&6' 9' 5 ()&)82:' 24' 4583' 7&3'),&;8*6' ;831 ',),;' 8(' 45,' 18)12:34&(1,3' 8(' 75815' 45,' 58?5' 1 (4)&148(?' =&)48,3

'" 'K*8=4'*.),=13,(*4::48394.4'#1,348' 4,36.14.8',5'4.69 '+,2'444' 5'W
1'#1,348' 4,36.14.8',5'4.69 '+,2'444'5'W

' 0 ' ! ' ' ' #'

=,)=*,O8(?' &(;' &A3)A8(?' 8(4,)(&*' ;899812*48,3' 1 ((,14,;' WUX
7845' 45,' =2448(?' ; 7(' &(;' 52(48(?' 4 ' ;,&45' 9' &' (&) *&' &(;' &33834,;' A6' 45,' 4) =3' &(;' 348**' :),' ,99818,(4*6' A6' 45,' (H (,6' 9' 45,' 2@,' 9' 8*&(' 45,' *),(48(,3' ;,4,):8(,;' 4 ' 45) 7' 45,8)' 75 *,' = 7,)' &(;' ,(,)?6'8(4 ' 45,' 34)2??*,' & * ' 84,**8' 9' 844&' ;8' B&34,** ' (,' 9' 45,'),(7(,;' 1&=4&8(3' 9' 45,' ;&6' 7&3' :&;,' B,(,)&*.8(. 58,9' 9' 45,' *),(48(,' 9)1,3' &(;' 7&3' ;,3=&415,;' 4 ?,45,)' 7845' 583' 6 2(?,)' A) 45,)' 84,** >> ' 84,**8' 4 ' 45,' 1&:=' (,&)' 83&' E,&* 238,3' 9' 45,' *;' 3)4' 75815' 5&;' 3 ' 94,(' A) 2?54' 45,' *),(48(,' &):3' 4 ' 4) 2A*,' 7,),' (4' 7845 24' ;899812*46' 3: 45,;' ',)' A6'?8'8(?' 4 ' 45,' 2(4' 8(2118 ' 45,' 484*,' 9' F B ',)( )G' 758*,' 84,**8' 4 @' 45&4' 9' B,(,)&*')' 5 7'1 2*;' &' &)(,3,' A,' 32A);8(&4,' 4 ' &' 84,**8')' &' 84,**8'),1 ?(8>,' 45,' 32=,)8)846' 9' &' &)(,3,' b' 44&'8&(' 45,' 3 (' 9' ,' &; ((&' ;8' : *& G L 45&4' (4&A*,' &4,)8(&' 9)>&' (7' 45,' 78; 7' 9' 47 ' 523A&(;3' 45,' (4,' B8) *&: ';, &' ',),' 3 (' 9' 8O423' '8(' 45,' 98)34' =*&1,' &(;' 9' B8&1 : ' , ' &' 5&(;3 : ,' 32AH,14' 9' 5,)' 7(' 8(' 45,' 3,1 (;' =*&1,' A 45' :2);,),;' A6' 5,)' *&;6358=P3' 42)A2*,(4' 32AH,143' 9')*8' &(;' : *&'M L 44&'8&(' 5,)' 3 (' A6' 45,' 98)34' 9' 45,3,' 523A&(;3' 7&3' ,(?&?,;' 8(' 45,' *),(48(,' 3,)'81,'M &(;' 45,' *&;6' 5,)3,*9' &(;' 5,)' ;,31,(;&(43' :&;,' *),(48(,' 1848>,(3' 9)' 45,' =2)= 3,' 9' *,?&*8>8(?' &' 458);' :&))8&?,' 7998815' 35,' 1 (4,:=*&4,;' 7845' B8 '&((8' ;,P ,;818' 45,' 3 (J' 9' 45&4' 8,)')&(1,31 ' 75 3,' ;899,),(1,3' 7845' 45,' 5,&;' 9' 583' 9&:8*6' 5&',' A,,('),*&4,;' 8(' &' =),'8 23' 15&=4,)' 5,' 1 (< 9,))8(?' (' 5,)' 9' 45,' 1848>,(358=' 9' *),(1,' 7&3' (,1,338< 4&4,;' A6' &' *&7' 75815' 5&;' A,,(' =&33,;' 8:: ,;8&4,*6' &94,)' 45,' A&(835:,(4' 9' 8,)' ;,P ,;818' 8(' - '9)A8;;8(?' &(6' *),(48(,' 1848>,('4 ' :&))6' &(6' (,' 7;8' 7&3' ,845,)' 8(' 5,)' 7(')8?54' &3 ',),8?(')' 7&3'1 ((,14,;' A6' A* ;' 7845' 45,' 9&:8*6' 9' &(6')2*8(?' 5 23, J

'' <4=')83348>6' G8=' 8.' 4)5,318.1',.6' 4,+8..4' 9469' G41<4.' 8' %6G'),.1<=' *1' 81634.8' <89' 8' 5,=1<*),*=' =,.' G<,' G8=' 1<81' %8),*=

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WUX T ('8=&=)4&(4 = 8(4 7&3 ?&8(,;' A6 4523 : &@8(?' 1* 3,' &**8,3 8 F. &; ((&';8 : *&G &(;'5,)'3 (M 9)'45,'5 348< *846 9'8C8,)'4,))84)6 4 '45,' ,(,48&(3'&*),&;6',01*2;,;'9) :' 45&4 9 45,' 2@,' 9 8*&(' :&;,'84' ',)6 :215 :),';8998< 12*4 9)'45,:' 4 '3,(;' 4) =3 &(;' 32==*8,3 9)'45,' :&8(< 4,(&(1,' 9'45,'7&)'&)8 2(;' 83&

5,' *),(48(,'=) 3=,143 A,?&('4 '* @ 3 ' :215 A)8?54,)' 8(;,,;'45&4 84 7&3 45 2?54 45&4 ,(81,' :8?54 (4 A,';83< 8(1*8(,;' 4 '?8',' 2=' 5,)' &:A848 23 5 =,3 &(;' :&@,'=,&1,' 89 35,'1 2*;'98(;'&'1),;84&A*,'=),4,O4 9)'*,&'8(?'45,' 83&(3 4 '45,8)' 9&4,' ,33,)'B28;&(4 (8 ' ,3=2118 &(;' ,33,)' ,)(&);' 21,**&8 7,),' 45,),9),' 3,(4 &3 &:A&33&;)3 4 ' ,(81,'4 '3,,' 89 4583 1 2*;' A,'&))&(?,;' 24 45,6 9 2(;' 45&4 ,(81,'5&;'(4 6,4 A,,(' A) 2?54 4 '45&4 = 8(4'&(;' 45&4 45,' ,(&4,'7&3 (*6 =),4,(;8(?' 4 ',(4,)4&8(' (,? 48&< 48 (3 9)'45,' =2)= 3,' 9 A*8(;8(?'45,' *),(48(,3 4 '45,8)'),&# ;,38?(3' 5,'&:A&33&;)3 '&94,)'),:&8(8(?' &4 ,(81,' &A 24 &1 2=*,' 9 : (453'),42)(,;'7845' &'),=)4 45&4 ('? ;'7&3 4 'A,';(,J

' 45,),'7&3 (458(?' 9)'84 A24 4 '=),33 45,'7&)'5 4*6' (;'45,'98)34 =,)&48 (3 9 45,' (,7'B,(,)&*.8(. 58,9 7,),' ',)6 3211,3392*' 94,)'8(9*8148(?' 1 (38;,)&A*,';&:&?,' (' 45,' ,(,:6 8(' & 9,7'3@8):835,3'5,' &;'&(1,;' 583 1&:=' 4 ' 81 ' 83&('&(;'8(' & 9,7';&63 4 @ 45&4 8:=)4&(4 9)< 4),33' 583)&=8;' 3211,33 =24 45,' *),(48(,3 8(4 ' 58?5' 3=8)843M 9)'84 7&3 7,**),:,:A,),;'45&4 8(' 45,' *;' 7&)' &?&8(34 83&'84 5&;'1 34 45,',98A)43 9 &'*&)?,'&):6 ;2)8(?' :&(6 : (453 4 ' 4&@,' 81 M &(;'8(' 45,'=),3,(4 7&)'&** &44,:=43 4 ';)8','45,',(,:6 9) :'45&4 34) (?'= 3848 (' 5&;

4,108..4 96226 8.96 636'1<6')',=1 %8),*=:85184.',% <4=98;'8.9 1<6' %81246 3,% 1<81 ,=),'96@ 694:4 G<,'E6:8)6 !*H6',% *=:8.;'8%163 1<6')*3963 ,% 26D8.963'" 1<6' 28=1 ,% 1<6' 62963 E38.:<' 8.9 %3,)' G<,)' 96=:6.969 4.' 8' 34><1 24.6' 8 ' 1<6' 694:68.' 9*H6=',% *=:8.;'1422 1<643 6D14.:14,.' 4.'1<6' 563=,.,% 48.' 8=1,.6' 0 ' 38.9 !*H6' 4.'1<6' ;683 WYUW

" *4::48394.4'#1,348 4,36.14.8',<85'D+444

),32*4,;' (*6'8(' 5,&'6'* 33,3'Þ)'&'9,7';&63'45,'(&:,' 9' V !
& * ' 84,**8'7&3'45,' : 34' = =2*&)'8(' *),(1,' ' 24'45,' X
9&' 2)' 9'45,' =, =*,' 9&34,;' ('* (?,)' 5,'?,(,)&*' 7,**
&7&),'45&4' 83&'7&3' ',)6'34) (?*6'?&))83 (,;' 7,** 32==*8,;'
8(' &**),3=,143' &(;' 98**,;' 7845' &' = =2*&48 (' ;,3=,)&4,*6'
;,4,):8(,;' 4 '),3834' 4 ' 45,' 244,): 34')&45,)' 45&(' A,(;'
45,8)' (,1@3' &?&8(' 4 ' 45,' *),(48(,' 6 @,' H2;?,;' 45&4' 583'
: 34' =)2;,(4' 1 2)3,'7 2*;' A,'4 ' :&@,' 58:3,*9' :&34,)' 9'
3 ' :&(6' 34) (?' = 8(43' &) 2(;' 45,' 1846'&3' 4 ' ,99,142&**6'
A* 1@&;,'84' &(;'124' 84' 99'9) :'&**&33834&(1,' 9) :'7845 24'
4' *),(1,'5 7,',)' 45,'1848>,(3' &(;',3=,18&**6'45,'= =2<
&1,' 7,),' 9' &' ;899,),(4' =8(8 (' 5,6' 7,),' 1&:) 23'
45&4' 45,' &):6'35 2*;' A,'*,;'&4' (1,' 4 ' 45,'&44&1@' 9' 83&'
84,**8 J5 7,',)' F : 34' A348(&4,*6 G'&3' B28118&);8(8' 3&63 J'
F'),923,;'4 '*834,('4 ' 45,' ;814&48 (' 9' 45,'1848>,(3' &(;'=) <
1,,;,;,;'4 ' 1&))6' (' 583' 7(' =) 9,338 (&** A238(,33' &11);8(?'
4 ' 583' 7(' =8(8 (G' 24' (,' 9' 45,'(2:,) 23',' 8*3' &)838(?'
9) :'45,'=)&1481,' 9' 1&))68(?' (' 45,'7&)3' 9' 45,' : : (<
7,&*45' A6' :,&(3' 9' 58),;' 4) =3' &(;' 9),8?(' 58),*8(?'
?,(,)&*3' 7&3'45&4'45,6'7,),' &*7&63' =,(' 4 ' 45,' 323=818 ('
75815'45,' *),(48(,'=, =*,' 7,),',')'),&;6'4 ' 1 (1,8',' 9'
A,8(?';,38) 23')&45,)' 9'=) * (?8(?'&' 7&)'45&(' 9' A)8(?8(?'
84' 4 ' &' 1 (1*238 ('5 7,',)' 3211,3392*' 0 5&4' 45,3,' =) <
9,338 (&** 3 *;8,)3' 75 ' *8',' A6'45,8)' 37);3' 7&(4' &)?2,;'
45,'1848>,(3' (4' &*4 ?,45,)' 2(),&3 (&A*6' 83' 1 (48(2,;',:<
=* 6:,(4'9)'45,8)'4) =3'&(;'=) * (?,;'348=,(;'3'9)'45,:<
3,*',3' 5,6'&' 8;'34)8@8(?'&';,1838',' A* 7 ' 75815'7 2*;'
,99,142&**6';' 45,'7)@'7,'7&(4';(,'&(;' A)8(?'45,'7&)'
4 ' &(',(;' ' &(;' (4' (*6'83' 2)'4),&32)6',05&234,;' A6'45,'
(,,;*,33' 1 (48(2&(1,' 9' =&6'4 ' 9981,)3'&(;' :,(' A24' 7,'
&),'A&2*@,;' 9'45,',(;'7,'5&',8('8,7' ' é
84,**8 =) 1,,;,;' 2(5,,;8(?'45,'1*&: 2)3' 9' 583' ,:<
=* 6,)3'8('583' 7('7&6M &(;'1 (32:,;' 45,'32:::,)'8(' &

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1 : : 833&)6‘ 9)‘ 45,‘ : : (7,&*45‘ 8(4 ‘ 45&4‘ ;834)814‘ 4 ‘ I
7&415‘ &(;‘ =),',(4‘ 45,‘ ,0,1248 (‘ 9‘ &(6‘ 3215‘ =*&(‘ 24‘
45,‘1 : : 833&)6‘ 7&3‘ (4‘ '8?8*&(4‘,(2?5‘ (;‘ 45,(1,‘45,‘
32;;,(‘48;8(?3‘ 75815‘ &3‘ B28118&);8(8‘ 3&63 J‘ F45),7(8*‘ 2)‘
4&4,‘8(4‘ 1 (9238 (G‘ 5,‘ (,73‘ 7&3‘ (458(?‘ *,33‘ 45&(‘
45&4‘45,‘,(,:6‘7,),‘&*),&;6‘8(‘9)1,‘8(‘45,‘ &3,(48(‘5&;‘
&*),&;6‘ :&;,‘45, :3,*',3‘ :&34,)3‘ 9‘ 8AA8,(&‘ &(;‘ 7 2*;‘
45,),‘7&3‘ :215‘),&3 (‘4 ‘9,&)‘98(;‘*844*,‘;899812*46‘8(‘3,8>8(?‘I
==8‘)&4 ‘ ,1158 ‘ &(;‘45,‘ 45,)‘4 7(3‘ 9‘45&4‘9,)48*,‘
;834)814

5,‘(,73‘7&3‘A&;‘,(2?5‘8(‘ &(6‘7&6M A24‘75&4‘ :&;,‘
84‘ :215‘ :),‘ &*&):8(?‘4 ‘45,‘ *),(48(,‘ :8(;‘7&3‘45,‘
9&14‘45&4‘45,‘ ,O8*,;‘ =),4,(;,)3‘ 8,4) ‘ &(;‘ B82*8&(‘ ;,P
,;818‘ 7,),‘ 7845‘45,‘8('&;,)3‘ 583‘ 7&3‘45,‘?),&4‘
;&(?,)‘ 9‘ &**‘ &(;‘45&4‘75815‘ : ',;‘45,‘? ',)(:,(4‘ 9‘
45,‘ ,=2A*81‘4 ‘9*6‘7845‘,',)6‘,(,)?6‘84‘ = 33,33,;‘4 ‘
),:,;6‘45,‘,'8*‘ 5,‘ ,(,48&(3‘7,),‘,(,:8,3M 45,6‘7,),‘
1 :8(?‘9)‘45,‘=2)= 3,‘ 9‘3234&8(8(?‘ 83&‘8(‘843‘;,4,34&A*,‘
),A,**8 (M &(;‘84‘7&3‘',)6‘?)8,' 23‘45&4‘45,6‘35 2*;‘5&',‘
9 2(;‘4583‘ :,&(3‘ 9‘34,&*8(?‘8(4 ‘45,‘1 2(4)6‘&94,)‘45,6‘
5&;‘3 ‘3211,3392**6‘&(;‘&4‘45,‘1 34‘ 9‘3 ‘ :215‘4) 2A*,‘&(;‘
(,? 48&48 (‘7845‘45,‘A);,)‘ 4&4,3‘A,,(‘A* 1@,;‘ 24‘&4‘&**‘
45,)‘ = 8(43‘ (;‘A&;‘,(2?5‘84‘7&3‘45&4‘&(‘ AH,14‘3 ‘
;,&)‘4 ‘45,‘1848>,(3‘&3‘45,‘),1 ',)6‘ 9‘ 83&‘35 2*;‘A,‘),(<
;,),;‘*,33‘&44&8(&A*,‘A6‘3215‘&(‘8(18;,(4‘ 24‘45,‘9&4,‘ 9‘
83&‘1* 3,‘&3‘45&4‘ :&44,)‘*&6‘4 ‘45,‘5,&)4‘ 9‘ ,',)6‘ *),(<
48(,‘7&3‘&3‘ (458(?‘1 :=&),;‘4 ‘45,‘1 (3,D2,(1,3‘45&4‘
7 2*;‘&)83,‘9) :‘&‘),34)&48 (‘ 9‘45,‘,O8*,;‘9&:8*6‘A6‘
9),8?(‘&):3‘8(‘*,&?2,‘7845‘; :,3481‘4),&15,)6

‘45,‘9)1,3‘45,),9),‘&4‘45,‘;83= 3848 (‘ 9‘45,‘? ',)(<
:,(4‘ 7,),‘ 3,(4‘ 8(‘ &**‘ 5&34,‘8(4 ‘45,‘ &3,(48(‘ 5,‘
8*&(,3,‘4) =3‘3,(4‘A6‘ 2;‘81 ‘8**) ‘7,),‘8(34&(4*6‘
;,3=&415,;‘45845,)‘2(;,)‘45,‘ 8*&(,3,‘ B F‘)&1&33 M

'‘ #1,348‘ 4,36.14.8‘,5‘4.69 ‘;,2‘444‘5‘WX

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[' # ' ' ^~' ' '

WWX

&' =)81,' 7&3' =24' (' 45,' 5,&;' 9' B82*8&(' ; ,P , ;818' 45&4' ,O4), : ,' : ,&32),' 5&'8(?' A, ,(' &; =4, ;' =), '8 23*6' (*6'8(' 45,' 1&3,' 9' 8,4) M' &(;' 8 : : , ;8&4,*6' &94,)7&);3' & * ' 84,**8' 75 ' 7&3' * 38(?' 583' 48 : ,' &(;' ; 8(?' (458(?' 9' : : ,(4' 8(' 45,' 83&(' ;834)814' 7&3');,),;' 4 ' :&)15' 583' 75 *,' 9)1,' 8(4 ' 45,' &3,(48(' 8(' &*' 5&34,

& * ' 84,**8' :&)15,;' 8(4 ' 45&4' 2==,)' '&**,6' 9' 45,')(' &(;' 7&3' &3' 3211,3392' &?&8(34' 45,' ,(, : 6' &3' 5,' 5&;' A, ,(' 8(' 583' =,)&48 (3' ;2)8(?' 45,' 32 : : ,)' 8(' 45,' 1 2(4)6' &) 2(;' 83&' ,' 9)1,;' 45,' 8('&;,)3' 4 ' 3524' 45, : 3,*',3' 2=' 8(' 45,' *844*,' 4 7(' 9' 8AA8,(&' (' 843' 83 *&4,;' 58**' &4' 45,' 9 4' 9' 45,' =,((8(,' 75815' 35243' 8(' 45,' ,O4), : 846' 9' 45,' &3,(48(' 75,),' 45,6'), : &8(,;' 2(&A*,' 4 ' ?,4' &7&6' &(;' 2(&A*,' 4 ' '8142&' 45, : 3,*',3' 9)' &(6' =) 4)&14,;' 48 : , ' 24' 5,' &(;' 45,'),?2*&)' 4) =3' 5&;' A, ,(' ',)6' : &4,)8&**6' &33834,;' 8(' &158,'8(?' 4583'),32*4' A6' 45,' &148'846' &(;' '&* 2)' 9' 45,' 58**' = =2*&48 (' 9' 45,' 32)) 2(;8(?' ;834)814' 2(;,)' 45,' (4&A*6' &A*,' *,&;8(?' 9' 45,' AA 4' &38*8 ' 45,' 5,&;' 9' 45,' (,8?5A 2)8(?' 1 ('(,(4' 9' &: &*; *8' &**68(?' ; 7(' 9) :' 45,8)' '8**&?,3' (,34,;' 8(' 8(&11,338A*,' (@3' &: (?' 45,' 34 (6' 58**3' 2(;,)' 4583' ,11*,38&3481&' *,&;,)' 45,6' 5&;' 8(9*814,;' 3,',)," * 33,3' (' 45,' 8('&;,)3' &(;' 5&;' 1 (4)8< A24,;' :215' 4 ' 45,' 9&' 2)&A*,'),32*43' 75815' 5&;' A, ,(' &44&8(,;

7' 84,**8' 5&;' A, ,(' A,1 :8(?' ',)6' 2(= =2*&)' &4' * .'),(1,' &3' 5&3' A, ,(' 3, ,(' A,1&23,' 5,' 5&;' (4' 9 ** 7,;' 2=' 583' 32 : : ,)' 3211,33,3' 8(' 45,' 83&(' ;834)814' A6' 8 : : , ;8&4,*6' :&)158(?' &?&8(34' 45&4' 1846' 843,*9' 4' 7&3' :)," &?),,&A*,' &*3 ' 4 ' 45,' 231&(' '&(846' 9' 45,' ((. : 8*84&)6' 1848>,(3' 9' *),(1,' 4 '),=),3,(4' 4 ' 45, : 3,*',3' 45&4' 45,'),=2*3,' 9' 45,' ,(,48&(3' 7&3' 45,' 7)@' 9' 231&(' '&* 2)' &(;' ,(4,)=)83,M' 45&4' &4' &**' ,',(43' 45,' A *;' &(;' 5&);6' " ' 45,8)' 32AH,143' 1 2*;' 88?54' 89' 45,6' 45,' 1848>,(3' 45 2?54' 984' 4 ' 112=6' 45, : 3,*',3' 8(' :)," F'18'8**G' 112=&48 (3M')&45,)' 45&(' 4 ' &** 7' 45&4' 45,' ? ;' 7)@' 5&;' A, ,(' ; (,' A6' 58), ;

4) =3' &(;' A6' &' 1&=4&8(' 9' 75 :' 45,6' 7,),' &*),&;6' 323<
=818 23' &(;' 7845' 75 3,' 1 (;214' 45,6' 7,),' ;831 (4,(4,;'
' (458(?' 7&3' 4&*@,;' 9' 8(' *),(1,' A24' 45,'=) 7,33' &(;'
9,&43' 9' 45,' ?&**&(4' AA 4' &38*8 ' &(;' 45,' 2(?)&4,92*' 1848<
>,(3' 7,),' &3' ;831 (4,(4,;' &3' ,',)' 7845' 45,8)' 3211,3392*'
?,(,)&*' 0 56' ;8;' 5,' (4' 4&@,' 8AA8,(&' &4' (1,'b 4' 7&3'
:8;78(4,)' &(;' 45,' 31,(,' 9' =,)&48 (3' &' ;899812*4' : 2(<
4&8(23' ;834)814' 75,),' 45,' 78(4,)' 83' ,3=,18&**6' 3,',),'
5,),' P&3' ('3(7'8(' 45,' 34),,43' 9' *),(1,'Q 2),*6'84'
:234' A,' &(',&36' :&44,)'4 '4&@,'45,'*844*,'4 7(' 9' 8AA8,(&'
24'84' 7&3'45,' *;'?&:,' ',)'&?&&8(Q 5,'=) * (?&48 (' 9'
45,'7&)'(4'843'5&==6'1 (1*238 (' 7&3' 84,**8P3' AH,14' 4'
7&3' &*' &' =* 4 L &' =* 4'4 ' ;)&8(' 45,'=2)3,3' 9' 45,'1848>,(3'
5&4' 2@,' 9' 8*&(' 4 Q 5,6' 7,),' &*' 8(' &' *,&?2,'
4 ?,45,) L 45,3,' 2@,3' &(;')8(1,3' &(;' 9,2;&*');3'
&(;' &=4&8(3' ' 5,' 2@,' 5&;' 3,(4' 9)1,3' &(;' 5&;' *,(4'
*&)?,'32:3' 9' : (,6'8(' 45,' ,O4),:,' (,,;' 9' 45,' *),(<
48(,' 4),&32)6' ,3' 45&4' 7&3' &*' ',)6' 7,**M' A24' 5,' 5&;'
AH,143' 9' 583' 7(' 4 ' ?&8(' **' 45,' 7)*;' @(,7' 75&4'
2; '81 '8*') '7&3' 0&3' 5,' ,',)' @(7(' 4 ' ? ' A6' &'
34)&8?54' =&45'4 ' &(' 5 (,34' ,(;'b (;' (7' 7,' 5,&)' 45&4'
2)' 7(' 1 : :833&)6' ,33,)' 8,)' B8 '&((8 81&3 *8' 5&3'
&** 7,;' 45,' 2@,' 9')A8(' 45,' ?,(,)&*' 9' 45,' 9)1,3'
8(' 45,' =&6' 9' 45,' ,(,48&(3' 4 ' ;,=&)4' 24' 9' 8AA8,(&'
8(' 3&9,46' A,1&23,' 5,' 7&3' 4&@,(' 8**' 45,),'Q 0 845 24'
&(6' &245)846' 9) :' F' 45,' ,(' 9' 0&)' 4 'Q G' &63'
45&4' 5,' ;8;' 84' A,1&23,' 89' 45,' 2@,' 5&;' ;8,;' 45,),' 8('
8AA8,(&' 4583' ;2@,; :' 9')A8(' 7 2*;' 5&',' 9&**,(' 8(4'
45,'5&(;3' 9'45,' ,(,48&(3' &5'Q 0 ,'&),'1 >,(,;' &(;'
15,&4,;Q 2)' 1 : :833&)8,3' &),' 4)&84)3M' 2)' ?,(,)&*' &'
:,),'378(;*,)M 2)' &**6' 9' 8*&(' (4' 4 ' A,' 4)234,;' 9) :'
(,' ;&6'4 ' &(45,)'H &(;' 7,' ; ' (4' 3,' 45&4' 7,' &),' &' A84'
(,&),)'4 ' ?,448(?' 83&' 45&(' ',)'8

583' 7&3'45,'4,:=,)' 9'45,' =2A*81' :8(;' 8(' *),(1,'8('
45,'A,?8((8(?' 9'45,'6,&)' - M' A24'45,),'3,,:3' ('?) 2(;

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WUXX 9)458(@8(?45&4&(6 9 45,3, ;831 (4,(43&(; 323=818 (3 7,), 7,** 9 2(;,; B28118&);8(8 45 2?54 J45&4 45, : < :833&)6 81&3 *8 5&; &14,; H2;818 23*6 8(&** 78(? 45, 2@, 9)A8(4 D284 8AA8,(&9)45,),&3 (&3382(,; 84,**8 3,,:3 4 5&', &14,; (4 (*6 4 45, A,34 9 583 H2;?:,(4 A24 H2;818 23*6 &(; 4 ? ; =2)= 3, (; 45 2?5 84 7&3 ',)6 4)2, 45&4 *844*, 4)234 1 2*; A, =24 82 45, 2@, 9 8*&(3&', 8(583 @,,(=,)1,=48 (9 583 7(8(4,),34 &(; 9 45, :,&(3 1 (;2118', 4 84 6,4 45,), 7&3 ? ; ?) 2(; 9)458(@8(? 45&4 2; '81 P3 8(4,),34 &(; &8:3 7,), &4 4583 H2(142), 1 8(18;,(4 7845 45 3, 9 *),(1,

(; 8(9&14C 45,),32*4 9 45, * 33,3 8(9*814,; (45, ,(,48&(3 8(45, 83&(;834)814 &(; 8(45, &3,(48(&(; 9 45, 8:=)83 (:,(4 9 45,8) 9)1,3 8(45, 7&**3 9 8AA8,(& 7&3 45&4 A6 45, 8(4,)',(48 (9 2; '81 75 ,:=* 6,; 45, 2@, 9 ,))&)&3 :,;8&4)8(45, :&44,) 45, ,(,< 48&(3 92)45,) =),33,; A6 9,&) 9 A,8(? A*8?,; 4 ? 4 7&) 7845 45, 2)@3 1 (3,(4,; &4 *&34 4 &4),&46 A6 75815 45,6 ,(?&?,; 4 7845;)&7 9) : 45, &3,(48(&(; 9) : 83&( ) A,9), 45, # 45 ;&6 9 =)8* - *),(1, 7&3 4 =&6 &3 8(;,:(846 8(=&)4 9) 45, ,O=,(3,3 9 45, 7&) &52(;),; &(; ,8?546 45 23&(; ;21&43 8(9894,,(6,&)3 &(; '&)8 23 348=2*&48 (3 7,), :&;, 7845 &'8,7 9),?2*&48(? 45, = 3848 (75815 83& 7&3 4 5 *; 2(;,) 45,)2*, 9 *),(1, &(; &332)8(? 4 45, 9):,) 1846 3 :, 9,7 ?2&)&(4,,3 &?&8(34 45, &A3 *24, ;,3= 483: 9 45, *&44,) 583 7&3 45, : 34 ;899812*4 =&)4 9 45, (,? 48&48 (9 5, ,(,48&(3 7,), &(O8 23 9) 45,8) 5 (2)P3 3&@, &(; 9) 45, 3&@, 9 &==,&)8(? 4 45, 7)*; (4 4 5&', ; (, &** 45,6 5&; ; (, &4 83& 9) (458(? 4 : &@, 45, A,34 4,) : 3 45,6 1 2*; 9) 45, 83&(3 (; *),(1, 7&3 ,O4),:,*6 ,&?,) 4 3,12), 45, 92 = 7,) 9 ==),338(? &(1, 5&4,;)8'&*

Z #1,348 4,36.14.8 :<85 D+444 89 %4.6)
1 K*4::48394.4 #1,348 4,36.14.8 :<85 24D

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WUXX (,7'&(;')&45,)' ,:=46'484*,' 9'F'B ',)( )' 9'45,' &:=G' 75,(' 583')8'&*' 7&3' :&;,' &=4&8(.B,(,)&*' 9'45,'9 8P1,3' ,'8 3834,;' (' 5&'8(?' &' *&)?,)'348=,(;'45&('45&4' &338?(,;' 4 ' 84,**8M' &(;' 45,' *&44,)' 75 ' 1 2*;' (*6' 7845' :215' ;899812*46' 5,' =,)32&;,;' 4 ' 1 (4,(4' 58:3,*9' 7845' &' 32:' ,D2&*' 4 ' 45&4' &** 7,;' 4 &)(,3,' 7 2*;' (4' 5&',' 4 *,)&4,;' 9)'&('8(34&(4' 45&4' 583')8'&*' 35 2*;') ,1,8',' &'*&)?,)'&: 2(4' ,4' 45,' 8?( )6'9 2(;'843,*9'9 8.1,;' 56'45,'),: (34)&(1,3' 9' &)(,3,' 4 ' 8(1),&3,' 583' =&6' (;' 45,(' 84^**8'),48),;' 8(' 32**,(' ;83=*,&32),' 4 ' 583' 7(' 844V' ;8' &34,** ' (' 45,' 5&(@3' 9'45,' 8A,)'M &(;' 45,' 8?( )6'7&3' A*8?,;' 4 ' 3,(;' &94,)'58:'&(' &?,(4' 15&)?,;' 4 ' 99,)'58:'&'38:8*&)'8(1),&3,' 9'348=,(;' &(;' 4 ' 1 &O' 58:' A&1@' 4 ' 45,' 1&:=')' 45,' 9&14' 7&3' 45&4' 84,**8' 2&3' &'9&)' :),' '&*2&A*,' &(;' &A*,' :&(' 45&(' &)(,3,'M &(;' 2(= =2*&)'&(;' 323=,14,;' &3' 5,' 7&3' 8(' *),(1,' 45,' 1846' 1 2*;' (4' ; ' 7845 24' 58:
45,)' ;899812*48,3' &) 3,' 9) :' 45,' &*' A24' 8:= 338A8*846' 9' A4&8(8(?' &' ' 4,' 9' : (,6' 9) :' 45,' B),&4' 2(18*' 5,' =, =*,' 7,),' 45) 2?5*6' ;83?234,;' 7845' 45,' 1 (;214' 9' 45,' 7&)' 7845' 45,' ;,*&6' 8(' A4&8(8(?' &(6' ;,1838','),32*4' &(;' 7,),' 381@' 9'=&68(?' : (,6' 9)'&'=2)=3,' 75815' 45,6' A,?&(' 4 ' ; 2A4' 9' ,',)' &158,'8(?' 5,6' 7,),' :215' &(?,),;' 4 ' A6' 45,' ,O=,(3,' 75815' 5&;' A,,(' 8(12)),;' A6' 4583' 1 :=,4848',')&838(?' 9'45,' 348=,(;3' =&8;' 4 ' 45,8)')8'&*?,(,<)&*3' 5,' 2(18*' 1 2*;' (4' A,' ? 4' 4 ' ,*,14' &' F' ,(' 9' 0&)G')'F' 9' ,&1,' &(;' 8A,)46 G'&3' 84' 7&3' (7' 1&**,;' 5,' ? ',)(:,(4' 5&;' 45,),9),' 4 ' 1&*' &' F')&481&G' 9' 1848>,(3' &(;' 843,*9'&;:8(834,)' 45,' 7&)' A6' 45,8)' &33834&(1,' 24' 45,' 2(18*' ' 4,;' &?&8(34' ,',)6';,:&(;' 9)' : (,6' 5,' 1848>,(3' 7 2*;' &?),,' 4 ' (458(?' 5,6' (*6'=,)3834,;' 8(' =2448(?' 45,8)' 7584,' A,&(3J' 8(4 ' 45,' 2)(' *,4' 45,' =) < = 3848 (3' 9'45,' ? ',)(:,(4' A,' 75&4' 45,6' :8?54'9

Z' ' FG<416' E68.' G8=' .6>814+6' 8.9' 8' E28:H' E68.' 8%%43)814+6' 4.' 1<6' 2,36.14.6' E822,1' E,D
H *4::48394.4' #1,348' 4,36.14.8' :<85'=4D

(' &6' - ' 5 7,',)' ,33,)')&(1,31 ' B5,)&);8 I
1&:,'8(4 ' 9981,'&3'B (9&* (8,),'&(;'A6'583',* D2,(1,'&(;' WUXX
3@8*"8('1 &O8(?'45,'1848>,(3'&4'*&34'3211,,;,;'8(' A4&8(8(?'
&' ' 4,' 9'45,' (,1,33&)6'92(;3'9)'45,'7&)' 5,' : (,6'
7&3'3,(4' 99'7845'&"' 5&34,'4 '45,'1&:='; &(;'45,'98)34'9)2843'
9'45,')(,7,;'34)2??*,'7&3'45,'&*: 34'8: :,;8&4,'1&=42),'
A6' 84,**8' 9'45,'8:=)4&(4'= 3848 (' 9' &318(&'&(;'3 :,'
45,)'=*&1,3'8('45,'8: :,;8&4,'(,8?5A 2)5 ;' 9' 83&'&(;'
&) 2(;'45,' : 245' 9'45,')(J
24' ,',(' 4583'' '814)6'&3' 84,**8P3'8**'34&)'7 2*;' 5&',' 84'
),32*4,;'8('8(1),&38(?'45,' ;82:'&(;'323=818 (' 8(' 75815'5,'
7&3'5,*;'8(' *),(1,'8(34,&;' 9',&)(8(?'45,'?)&4842;,'&(;'
1 (98;,(1,' 9'45,'1848>,(3' 4' 3 '5&==,(,;'45&4'&: (?'
45,'=)83 (,)3'4&@,(' &4' &318(&'7&3'&' 1,)4&8(' ,33,)'
8(8,)8';,**&' &33,44&'&'9,2;&"(A*,'75 '5&;'A,,(' (,' 9'
45,'F' " " " *')'=) 4,14,;'(A*,3' 9'45,' : : (<
7,&*45'&(;'&3' 7&3'232&**6'45,'1&3,'7845'3215'=,)3 (3'&'
1&=4&8(' 8(' 45,'=&6' 9'45,' ,=2A*81' 7'4583':&(' 5&;'
;,3,)4,;'583'1 * 2)3'&(;'5&;'H 8(,;'45,' 83&(3ML 5&;'
:), ',)'A,,(' @(7(' 4 '5&',' :&;,'&'H 2)(,6'4 ' 8*&(M
75,(1,'84'7&3'45 2?54'45&4'89'&3' :&(6' *),(48(,3'323<
=,14,;' 45,' 2@,' 2; '81 ' 5&;'58;;,(' &(;'4)&84) 23'
;,38?(3'8(' 583' :,;;*8(?'A,47,,(' 45,' : : (7,&*45'&(;'
83&'4583' 8(8,)8' 7&3'8(' &"=) A&A8*846'8(' 45,'3,1),4' 9'
45,:ML &(;'*&34*6' 7&3' @(7(' 4 ' 5&',' 8(348?&4,;' 45,'
83&(3' (4' 4 ' &11,=4' 45,'4,):3' :&;,'9)'45,:' A6' 45,'
,(,48&(3' (;,)'45,3,'18)12:34&(1,3'45,' 8?( )6'7,),'
,O1,,;8(?*6'&(O8 23' 4 ' 5&',' 4583'=)83 (,)'8('45,8)'5&(;3M
&(;'3,(4'8: :,;8&4,*6'4 ' 84,**8' &4'45,'1&:=');,)3'4 '3,(;'
58:'4 ' *),(1,' 75,),'5,'7 2*;'5&',' A,,(' 32AH,14,;'4 '
,O&:8(&48 (' 2(;,)'4)42),' &(;'45,(' 2(; 2A4,;*6'=24'4 '
;,&45' 5,' ;83&==8(4:,(4'&(;'8(;8?(&48 (' 7,),' ?),&4'
45,),9),'8(' *),(1,' 75,(' 45,' :,33,(?,)3'1&:,' A&1@

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WUXX

7845' 45,'),=*6'45&4' 5,' 5&;' ,31&=,;'M 8(' 9&14'45&4' 84,**8' F'(4'415 38(?'4 ' &14' &3J " ' 9)' 45,' 8?( )6G' &3' B28118&);8(8' 3&63' &(;' 2(78**8(?'4 ' 3,(;' (,' 9' 583' 7('
1*&33'4 ' &' ; ?P3' ;,&45' &4'45,'5&(;3' 9' &'@(4' 9' 1848>,(3'
5&;' *,4'58:' ? ' 484'45,' *),(48(,3'8(' 45,8)' &(?,)' 1 (<
1*2;,;' &4' (1,' 45&4' 84,**8P3' : 48',' 8(' &** 78(?'58:' 4 '
,31&=,' 7&3'9,&)'*,34'45,' ,O&:8(&48 (' 9' 4583' 8(8,)8' ;,**&'
&33,44&' 2(;,)' 4)42),' 35 2*;' A)8(?'4 ' *8?54'4),&3 (&A*,'
=)&1481,3'8(' 75815'5,'58:3,*9':8?54'5&',' A,,(' 1 (1,)(,;
523' 45,' 323=818 (' &(;' &(?,)' 9' 45,' 1848>,(3' &?&8(34'
84,**8' 75 ' 5&;' ,',)' 38(1,' 45,' A,?8((8(?' 9' 583' ,(?&?,<
:,(4' 1 :: &(;,;' 45,' &)8(6' 3211,3392**6' &(;' 75 3,'
'814)8,3' 5&;' A,,(' 45,' :&8(' :,&(3' 9' 98)34'1 :=,**8(?' 45,'
,(,48&(3' 4 ' &A&(; (' 45,8)' 5 *;' 9' 83&' &(;' (7' 9'
5,:: 8(?' 45,' 83&(3' 78458(' 45,8)' 7(' 7&**3' 1 (48(2,;'4 '
8(1),&3,
4' *&34' (' 45,' 34' 9' E2*6' - ' 84,**8' 1 :: ,(1,;'
45,' 38,?,' 9' 83&M' &(;' (' 45,' "45' 9' 2?234'4 @' 45,'
34) (?'9)48981&48 (' 1&**,;' 4&:=&1,ML &'3211,33'75815' (1,'
&?&8(' 45,' 34)&(?,' 9&4&*846' 45&4' 3,,:,;' 4 ' =2)32,' 84,**8'
42)(,;' 8(4 ' &' 9&4&*' :839)42(,' 4 ' 58:' 5,' * 33' 9' 45&4'
8:=)4&(4' 9)4),33' 3 ' &*&):,;' 45,' 83&(3' &(;' =) ;21,;'
3215'1 (9238 (' 8(' 45,' 1846' 45&4' :&(6' 9' 45,' *,&;8(?' :,('
9*,;' 4 ' 211&M' &(;' 89' 45,' &;'&(4&?,' 75815' 5&;' A,,('
4523' A4&8(,;' 5&;' A,,('9 ** 7,;' 2=' &(;' 45,' ==)42(846'
3,8>,;' 84' &==,&),;' (4' ; 2A492*' 45&4' 83&' :8?54' 45&4' ;&6'
5&',' 9&**,(' 8(4 ' 45,' 5&(;3' 9' 45,' *),(48(,3J)' &'
? ;' ,8?54')' 4,(' 5 2)3' &3' B28118&);8(8' 75 ' 83' &' 34) (?'
;,9,(;,)' 9' &**' 84,**8P3' 1 (;214' &;:843' 4583'? *;,(' ==)<
42(846'*&34,;' 24' 45,' 83&(3' &4' 45,' ,(;' 9' 45&4' 48:,'
),1 ',),;' 45,:3,*',3' &(;' 45,' 15&(1,' 5&;' =&33,;' &7&6'
9)' 84,**8' 5&;' &94,)'45,' 1&=42),' 9' 4&:=&1,');,),;' 583'
4) =3' 4 '5&*4' ,'5&;' (4'8(4,(;,;' 4 ' &33&2*4'45,'7&**3

'' *4::48394.4'#1,348' 4,36.14.8':<85'DD

[# WUXX

2(; ,)' 45,' =) , 3, (4' 18)12 : 34&(1,3' 84' 7&3' 8 : = 338A*,' 4 ' 32=< = 3,' 45&4' 45,' = 3848 (' 9' 45,' A,38,?, ;' 1 2*; ' 78458(' 45,' 48 : ,' 1 (4, : =*&4, ; ' A,' 8(' &(6' 7&6' 8 : =) ' , ; ' 24' 5,' 9)? 4' 75&4' 45,' 9&4,' 9' 3, ', (' : : 833&)8,3' 8(' 3211,338 (L ' 9' 75 : ' 9 2)' ; 8, ;' 9r45,' 9, ',) L 35 2*; ' 84' : &6' A,'45 2?54 ' 5&' ,' 32998 18, (4*6' 8 : =) , 33, ;' (' 58 : ' 45&4' 89' 45,' = 3848 (' 9' 45,' , (, : 6' 1 2*;' (4' A,' 8 : =) ' , ;' 758*,' 5,' ; , 9,)) , ;' 45,' &33&2*4 ' 583' 7 (' : 8?54' 7 , **' A, 1 : ,' 3, 88 23*6' ; , 4,)8)&4, ; ' (;' 45,') , 32*4' 7&3' 45&4' ; : a(?' 45 3,' ;&63' ; 83, &3,' 8(' 45,' 1& : =' 8(1), &3, ;' 3 ')&=8; *6' &(;' 4,))8A*6 ' 5,' 58 : 3, *9' A, 8(?' & : (?' 45 3,' 8(1&=&184&4, ;' A6' 84 ' 45&4' 84' A, 1& : ,' &A3 *24, *6' (, 1, 33&)6' 4 ' 7845;)&7' 45,' &))&6' 8(' &**' 5&34,' 9) : ' 3 ' 9&4&*' &' = 3848 (

4' : &6' , &38*6' A,' 8 : &?8(, ; ' 75, (' 45,' A2) (8(?' ; , 38), ' &(;' * (?. ; , 9,)) , ;' 5 =,' 9' 45,' *), (48(, 3 ' 4 ' = 33, 33' 45, : 3, *' , 3' 9' 83&' &), ' A) (, ' 8(' : 8(; L C75, (' 45,' =), '8 23' ; 83= 3848 (' 9' 45,' =2A*81' : 8(;' 4 7&) ; 3' 84, **8' 83' 92)45,)') , : , : A,) , ; ' L &(;' 75, (' 84' 83' : , (48 (, ;' 45&4')&(1,31 ' B5,)&) ; 8 ' 45,' *&4,' B (9&* (8,) , ' 75 ' 7&3' (,' 9' 45,' : : 833&)8,3' @8**, ;' A6' 45,' : &*&)8& ' 7&3' &4' 45&4' : : , (4' 45,' : 34' = =2*&)' : &(' 8(' *), (1, L 75, (' &**' 45&4' 84' 5&;' 1 34' 45,' : : (7, &*45' 8(' : (, 6 ' 8(' =) 4)&14, ;' , 99)43 ' 8(' 7f)*; . 78; ,' (, ? 48&48 (3 ' 8(' &(O 8, 46' 4 ' &158, ',' 4583' AH, 14' 83' 1 2(4, ;' 2= L 84' 78**' ' 3&6 ' A,' , &36' 4 ' 8 : &?8(,' 45,')&?, ' 45,' :)48981&48 (' &(;' &* : 34' 45,' ; , 3=&8)' 9' 45,' *), (48(, 3' &4' 4583' 8332,' 9' &**' 45, 8)' 5 =, 3

' (, 7' 8?( )6' 1& : ,' 8(4 ' 9981,' 9)' , =4, : A,)' &(;' 14 A,)' 7845' B8 '&1158(' B2&31 (8' 9)' B (9&* (8,),' M &(;' 84, **8' 7&3' 2)?, (4' 7845' 45,' (, 7' ? ',)(: , (4' 4 ' A,' &** 7, ;' 45, (' 4 ' *, &;' 45,' &) : 6' A&1@' &?&8(' 4 ' 45,' &44&1@' 24' 45,' 8?( )6' (7' 45) 2?5*6' =,)32&; , ;' 458&91 5,' 7&3' 9&*3,' 4 ' 45, 8)' 1&23, '), 923, ;' 4 ' &** 7' 58 : ' 4583' *&34' 15&(1, ' 8,) ' , 3=2118' 45,' *&34' 9' 45,' 3, ', (' : : 833&)8,3' 75 ' 5&;' 9&**, (' '8148 : 3' 4 ' 45,' =, 348*, (1, ' A24' 75 '), 42) (, ;' 4 ' * <), (1,' 4 '), 1 ',)' : &; ,' &'), =)4' 4 ' 45,' ? ',)(: , (4 &3

;&:&?8(?' 4 ' 84,**8' &3' = 338A*,' 5,'),32*4' 7&3' 45&4' &'
@(4' 9' *,&;8(?' 1848>,(3'&: (?' 75 :' 7&3' 811 *U' &1.'
158&',**8' =,)32&;,;' 45,' 8?( )6' 4 ' 3,(;');,)3' 4 ' 45,'
: :833&)8,3' &4' &318(&' 4 ' =*&1,' 45,' &=4&8(.B,(,)&*' 82'
8: :,;8&4,' &)),34' &(;' 3,(;' 58:' 8(' 3&9,' 1234 ;6' 4 '
*),(1,
4' 83' (4' 4 ' A,' 8:&?8(,;' 45&4' 4583' 7&3' &(');,)' 45&4'
1 2*;' A,' =,(*6' &(;'&' 7,;*6' ,O,124,;' 5,' 8(9&**8A*,'
3,D2,(1,' 9'3215' &'34,=' 7&3'4 ' 1,)4&8(' 9)' 45,' AH,14' 9' 84'
4 ' =24' 583' 5,&;' 8(4 ' 45,' (3,' 89' &(6'15&(1,' 9' &' 8;8(?'
84' 7,),' &99);,;' 58:' ' 45,' : :833&)8,3' 3,(4' 4 '),D2,34'
84,**8' 45&4' 5,' 7 2*;' &44,(;' &' 1 2(18*' 9' 7&)' &4' 45,8)'
D2&)4,)3' ,' 1&:,' 2(323=,148(?'&(;' 7&3' &4' (1,' :&;,'
=)83 (,)' 83' 6 2(?,)' A) 45,)' 84,** >> ' 7&3' &*3 ' 32:<
: (,;'M A24' &' 7&)(8(?' 9' 45,' 9&4,' 45&4' 7&3' 8(' 34),' 9)'
58:'),&15,;' 58:' 8(' 48:,' &(;' 8(34,&;' 9' A,68(?' 5,'
,31&=,;' 9) :' 45,' 1&:='&(;' ? 4' 99' &3' 9&34' &3' 583' 5)3,'
1 2*;' 1&))6' 58:' 4 ' 45,' 9&:8*6' 4,))84)6' &(;' 34) (?5 *;' 9'
844V' ;8' &34,**
(;214,;' 4 ' *),(1,' & * ' 84,**8' 7&3' &4' (1,' 32A<
H,14,;' 4 ' ,O&:8(&48 (' 2(;,)' 4)42),' ' &' 7&*3' 9' &(6'
3)4' 7,),' A4&8(,;' C) :' 58:M' &(;'),=,&4,;' &==*81&48 (3'
9' 7)3,' &(;' :),' 8(32==)4&A*,' 4):,(43' 7,),' ,D2&**6'
7845 24'),32*4' 83' =)8'&4,' 3,1),4&)6' &(;'&(45,)' 8(48:&4,'
9)8,(;' 7,),' &*3 ' =*&1,;' (' 45,')&1@' A24' (' 1 (9,338 (' 9'
&(6' 4),&3 (&A*,' =)&1481,3' 1 2*;' A,' ,O4)&14,;' 9) :' 45,:
24' F'45,' B (9&* (8,),' &(;' 583' 1 **,&?2,3' A,8(?' 98) :' 8('
45,' =8(8 (' 45&4' 5,' 7&3' ?28*46 GJ' 5,' 7&3' 3,(4,(1,;' 4 ' A,'
A,5,&;,;' 45&4' 3&:,' ,' ,'(8(?
5,' &A ',.184,;' 5834)8&(' 5&;' (' ; 2A4' 45&4' 5,' 7&3'
8((1,(4' 9' 45,' 15&)?,3' A) 2?54' &?&8(34' 588=' &(;' ?8',3' &4'
*,(?45' ',)6' 1 (1*238',),&3 (3' 9)' 3 ' 458(@8(?
215' 7&3' 45,' ;,&45' 9' 45,' : 34' &A*,' &(;'),(7(,;

Y ‘ # ‘ ‘ ‘ ‘ ‘

! WUXX ?,(,)&* 9‘ 583‘ ;&6‘ 8(‘ 4&*6‘ &(;‘ 3215‘ 45,‘ : ;,‘ 8(‘ 75815‘ ;,: 1)&481‘C *),(1,‘5&'8(?‘ :215‘=) 3=,14‘ 9‘45,‘(,1,33846‘ _9‘98?548(?‘A,9),‘5,)‘&(;‘,(48),*6‘8(1&=&A*,‘ 9‘ ; 8(?‘4583‘ 98?548(?‘9)‘5,)3,*9‘),7&);,;‘45,‘3211,3392*‘3,)'81,‘ 9‘5,)‘ B,(,)&*‘ &(;‘ ;,1*&),;‘ 4 ‘ 45,‘ 7)*;‘ 75&4‘ 45 3,‘ :8?54‘ ,0=,14‘75 ‘35 2*;‘A,‘4,:=4,;‘4 ‘4&@,‘5,)‘=&6

Y ' # ' ' ' ' '

E;' <4=' %81<63@=' 9681<' 8 . 9' <4=' , G . ' 422 . 6== 6' 2, =6=' 822' <4=' 9,) 4 . 4, . = ' 4=' =6 . 1' 1, ' #584 . 8 . 9' =, , . ' 8%163G839=' H42269 ! 681<' , %' 4613, ' 96@ 694 : 4

! ' 758*, ' 4583' ; , , ; ' 7&3' A, 8(?' ; (, ' &4' *), (1, ' , ' , (43' 9' : 215' 78 ; ,)' 8 : =)4&(1, ' 7 ,), ' A, 8(?' &11 : =*835, ; ' 8(' 45, ' ( )45' 9' 4&*6 ' 8883Y% ' 5&; ' 1) 33, ; ' 45, ' *=3 ' &(; ' 8(' *, &?2, ' 7845' 45, ' , (, 48&(3 ' 5&; ' 8(' &' ',)6' 35)4' 3=&1, ' 9' 48 : , L *8@, ' &' 452(; ,)A *4 ' &3' (, ' 9' 45, ' 4&*8&(' 5834)8&(3' " J L : &; , ' 58 : 3, *9' : &34,)' 9' &*' 45, ' 2156' 9' 8*&(' 7845' 45, ' , 01, =48 (' 9'), : (&' &(; ' B58&)&; &; ; &' 75815 ' A6' 45, ' 4,) : 3' 9' 45, ' 1 (', (48 (' 283' 5&; ' : &; , ' 7845' 45, ' , (, 48&(3 ' 9, *' 4 ' 45, 8)' 35&), M L &' 4,))84)6 ' 3&63' B2811 8&)< ; 8(8' 9 ' ?)2 ; ?8(?*6 ' 75815' A) 2?54' 8(' &' 52(;), ; ' &(; ' 98946' 45 23&(; ' ; 21&43' &' 6, &) P&(; ' 75815' 7&3' 45, ' 458) ; ' =&)4' 9' 45, ' 75 *, ' 2156' 9' 8*&(' 283 ' 45 2?5' 4, : =4, ; ' A6' 45, ' 4 7 (3' 45, : 3, *' , 3 ' 75815' 7 2*; ' 5&' , ' =), 9,)), , ; ' 4 ' 8J, . ' : &8(' &44&15, ; ' 4 ' 45, ' ; 2156' 2(; ,)' 45, '), (15' 1) 7(' 4 ' A, 8(?' 5&(; , ; ' ',)' 4 ' 45, ' , (, 48&(3 '), 923, ; ' 4 ' A, ' 2(4)2, ' 4 ' 583' &?), , : , (4' 7845' 583' &**8, 3

2 ; '81 ' 8*') ' &94,)' * 38(?' &' A&44*, ' (, &)' *, O&(;)8&' 8(' 75815' 583' 4) =3' 2(; ,)' , 33,)' B&*, &>> ' ; 8' &)' , ',)8(' 35& : , 92**6')&(' &7&6' &4' 45, ' 98)34' 35 1@' 9' 45, ' , (, : 6 ' 9*, ; ' 8(4 ' B,) : &(6

*), (1, ' 8(' 45, ' =) 3=, 14' 9' 4583' (, 7'), (15' 8(' '&38 (' 9' 45, ' =, (8(32*&' 5&; ' A, , (' , O4), : , *6' ; 2A492*' 5 7' 4 ' &14 ' (' 45, ' (, ' 5&(; ' 45, ' 4)&; 848 (&*' = *816' 9' 45, ' : : (< 7, &*45' 5&; ' &*7&63' A, , (' 9)8, (; *6' 4 7&) ; 3')&(1, ' 583' 7&3' 45, ' ?, (,)&*' 4, (; , (16' 9' 45, ' =2A*81' : 8(; ' 8(' 45, ' 1846 '), ',)' 84' 7&3' , 01, , ; 8(?*6' 8 : =)4&(4' 4 ' &' 8; ' =*&18(?' 45, ' , =2A*81' 8(' &(' &44842 ; , ' 9' 5 348*846' 4 ' &'), (15' @8(?' 75 ' 7&3' 9) : ' ; &6' 4 ' ; &6' , O=, 14, ; ' 4 ' 1) 33' 45, ' *=3 ' (' 45, ' 45,)' 5&(; ' $8(?' 283' 7&3' 1 : 8(?' 8(4 ' 4&*6' &3' 45, ' &' 7, ; ' , (, : 6' 4 ' 45, ' ; , &45' 9' 45, ' 2@, ' 9' 8*&(' &(;

' < ' ' ' ' ' 4' = '
' ' 0 ' ' ' ' □' ' ' = >

9

: (453' 9' - ' 5&;' 34)8',(' 4 ' ?,4' &' ' 4,' 9' 4583' @8(;'
=&33,;' 8(' '&8(' (;' 45,' B (9&* (8,),' 9)' 45&4' =,)8 ;'
B8 '&((8' &44834&' 8; *88' 8(;8?(&(4' &4' 45,'),32*4' 5&;'
)83,(' 8(' 583' =*&1,' &(;' 3=,&@8(?' 7845' :215' ,O184,:,(4'
3&8;' 45&4' 89' 45,' 1848>,(3' 7,),' :8(;,;' 4 ')28(' 45,' 1846' 5,'
&(;' 583' 1 **,&?2,3' 7 2*;' 1 (3,(4' 4 ' (' 3215' 1 2)3,' &(;'
45&4' 89' 5 ' 45,)' 5,*=' 7&3' 4 ' A,' 9 2(;' 45,6' 7 2*;' 323=,(;'
45,' =&6 :,(4' 9' 45,' 8(4,),34' (' 45,' =2A*81' ;,A4' 94,)' 4583'
45),&4' 45,' =) = 3,;' (,7' 4&O' 7&3' =24' 4 ' 45,' ' 4,' (1,'
&?&8(' (;' 45,'),32*4' 9' 8; *98P3' 45),&4' 7&3' 45&4' 45,'
:&H)846' &?&8(34' 45,' : 48 (' 7&3' :215' *&)?,)' 45&(' 84' 5&;'
A,,(' A,9),' ' *844*,' 7,),' 45,' =, =*,' 8(' &' 52: 2)' 4 '
A,' ,845,)' 45),&4,(,;')' 1&H *,;' 8(4 ' =) '8;8(?' 9)' 45,'
(,1,33848,3' 9' 45,' 1 2(4)6

(' 45,' 48 :,' 9' 45,' 3211,,;8(?' 8?( )6' 5 7,',)' 45&4' 9)'
45,' E&(2&)6' &(;' ,A)2&)6' 9' "" ' 45,' (,7' B (9&* (8,),'
)&(1,31 ' ,=8' 584' 2= (' &' :,45 ;' 9' A4&8(8(?' 45,'
:215' (,,;,;' 92(;3' &4' 45,' ,O=,(3,' 9' &' 3:&**' A24'
7,&*456' :8( )846' 9' 45,' 1848>,(3' 5,' &33,33,;' 4&O' ('
),&*' =) =,)46' 1&**,;' 45,' ,18:&' 5&;' &*7&63' A,,('
*,'8,;' (' &**' 8(1 :,3' &*8@,' 24' 84' 7&3' (7' =) <
= 3,;' 4 ' *,'6' 75&4' 7&3' 1&**,;' &' F';,18:&' 31&*&4& G' 45&4' 83'
4 ' 3&6' &' 4&O')838(?' 8(' =) =)48 (' 4 ' 45,' *&)?,(,33' 9' 45,'
8(1 :,' 4 ' A,' 4&O,;' 523' &' :&(' = 33,338(?' 98946' ;21&43'
&' 6,&)' 8('),&*' =) =,)46' =&8;' 98',' 4 ' 45,' 4&O.?&45,),)M'
758*,' 5,' 75 ' = 33,33,;' 45),' 52(;),;' =&8;' (4' 458)46' &3' 5,'
2?54' 4 ' 5&',' ; (,' A24' A,47,,(' ,8?546' &(;' &(' 52(;),;'
' 45&4' 3&63' B28118&);8(8 J' 32== 38(?' 45,' 4&O' 4 ' A,' 8:<
= 3,;' 45),,')' 9 2)' 48:,3' 8(' 45,' 6,&)' &3' 7&3' 9),D2,(4*6'
45,' ,&3,' 5,' 75 ' = 33,33,;' 98946' ;21&43' &' 6,&)' 7 2*;' =&6'
4 ' 45,' 34&4,' 8(' 45,' 1 2)3,' 9' 45,' 47,*',: (45' &' 458);')'
9 2)45' =&)4' 9' 583' 8(1 :,M 758*,' 45,' = 33,33)' 9' 45),,'
52(;),;' 7 2*;' 8(' 45,' 3&:,' =,)8 ;' A,' 1&**,;' (' 4 ' =&6' 4

45,'4&O.?&45,),)'45,'.75 *,'),',(2,' 9'583' = 33,338 (3' (;' !
&3'45,' : 2*48=*81&48 (' 7&3' &==*8,;' 4 ' 348**' 58?5,)'8(1 : ,3'
45,' : &(' 75 ' = 33,33,;' 98',')' 38O' 52(;),;' ;21&43'&'6,&)'
9'),&*' =) =,)46' 7&3' A*8?,;' 4 ' =&6' 9) :' 2,'&(;'&'5&*9'4 '
47 9 *;' 45,' ,(48),'),',(2,' ,4' 4583' *&7' 7&3' =&33,;'
4' 7&3' = =2*&)' 9'1 2)3,' 7845' 45,' =)' 4' 7&3'&==) ',;'
9'A6'&** 45 3,' 75 3,' 7,&*45' 7&3' 9' 45,' (&42),' 9' =,)3 (&*
=) =,)46' (;' 45,' '8148:3' 9' 84 L 45,' 7(,)3' 9' *&)?,'
),&*' =) =,)46' 7,),' ',)6'9,7' 8(' (2:A,)' ,',)45,*,33' 84'
7&3' =&33,;' 7845'3 :,';899812*46M &(;'45,'346*,' 9'&)?2:,(4'
45&4' 7&3' 23,;' 8(' 45,' ;,A&4,' (' 45,' :,&32),' :&6' A,'
,348:&4,;' 9) :' &' 3=,18:,(' 75815' B28118&);8(8' 5&3' =),.'
3,)',C J'&(;' 75815' 83' 12)8 23' &3' &(' 8**234)&48 (' 9' 45,'
;, : 1)&481' = *8481&*' ,1 (:6' 9'45,'48:,
,33,)' 28?8' 1&)*&448' 75 ' 7&3' &' :,:A,)' 9' 45,'
8?( )6') 3,'&(;'3= @,' 7845' :215'&(8:&48 ('8('9&' 2)' 9'
45,' :,&32),' 4' 7&3'),&3 (&A*,' 45&4' 45,')815'5,'2)?,;'
35 2*;' 32==)4' 45,' ?),&4,)' =&)4' 9' 45,' =2A51' ,O=,(3,M'
&(;'&3'9)' 45,' 1 :=*&8(4'45&4'45,6'7 2*;' 45,),A6'A,1 :,'
8:= ',)835,;'45,' 7&6'4 '&' 8;''4583' 7&3' A6'*,33,(8(?'45,8)'
,O=,(3,3' F' 9'45,' 1 (4)8A248 (3'),D28),;' 9'45, :'A6'45,'
4&4,' 7,),' 3215' &3' (' * (?,)' 4 ' =,):84' 45, :' 4 ' @,,='
5)3,3' &(;' 3,)'&(43'*,4' 45, :' ; ' &3' 5,' ;8;' ,4' 45, :'
7&*@' 24'4 ' 45,8)' '8**&3' ('9 4' &(;'7&84'2= ('45, :3,*',3 G'
5,'5834)8&('32==*8,3'23'&*3 ' 7845'&'?*8:=3,' 9'45,'3)4' 9'
9,,*8(?'7845'75815' ; 14)8(,3' 9' 4583' @8(;'7,),'*834,(,;'4 '
A6'45,'1*&33,3' &4' 75 :' 45,6'7,),' &8:,;' F 0845' 7);3'
9' 4583' 3)4 G' .7)84,3' B28118&);8(8 9' F'5,'5,&4,;'58:3,*9'8('
3215' 3)4' 45&4' 583' 3=,,15' 7&3' 6,4' :),' ;83?2348(?' &(;'
;83?)&1,92*' 45&('45,' =) = 3848 ('843,*9 G' ,)6';83?2348(?'
(' ; 2A4' 4 ' 45 3,'75 ' 7,),'4523' :2*14,;' 9' 45,' ,(48),46'
9'45,8)' =) =,)46' 24'45,'A8**' 7&3' =&33,;' (,',)45,*,33
('45,' :,&(48:,' (' 3 (,)' 5&;' 283' % '),42)(,;

Y ' # ' ' ' ' '

W ! 4 ')&(1,'45&(' 45,' 8*&(,3,' 75 '5&;'),1,8',;' 45,'),(15' 7845' =,(' &) : 3' A,?&(' 4 '),?),4' 45,8)' 9) : ,)' = *8481&*' 1 (< ;848 (J' J&(;' 4 ' 458(@' 45&4' 45,' 15&(?,' 9) :' 45,' 4&*8&(' 2@,' 4 ' 45,'),(15' $8(?' 5&;' A,,(' 8) :' A&;' 4 ' 7)3,' (4)8?2,3' 7,),' 45,),9),' 3,4' (' 9 4' 4 ' 8(;21,' 2; '81 ' 4 '),42)(' 9) :' B,) : &(6' &(;' : &@,' &(' &44, : =4' 4 '),1 ',)' &' 4,))84)6' 75 3,' =, =*,' ',),' ,&?,)' 4 '),42)(' 4 ' 45,8)' &**,?8&(1,' 2; '81 ' 1& : ,M &(;' &3' ('),(15' 9)1,' 3&',' 45&4' 75815' ?&))83 (,;' 45,' 184&;,*' 9' 8*&(' 5&;' A,,(' *,94' 4 ' =) 4,14' 45,'),1,(4'),(15' 1 (D2,34' 5,' 3211,,;,;' 8('),4&@8(?' = 33,338 (' 9' &**' 45&4' 5,' 5&;' * 34' [3&','), : (&' &(;' &' B58&)&;&;;&]' 75815' 7,),' 8(' 45,' 5&(;3' 9' 45,' ,(,48&(3' &3' D281@*6' &3' 84' 5&;' A,,(' 4&@,(' 9) :' 58 : ' Z284,'&7&),'5 7,',)' 45&4' 5,' 35 2*;' (4' A,'=,) : 844,;' 4 ' 5 *;' 583' 2156' 8(' =,&1,' 5,' * 34' (' 48 : ,' 8(' : &@8(?' &148',' =),=&)&48 (3' 9)' ;,9,(;8(?' 84' &?&8(34' 45,'),(15' ,' 34) ',' 4 ' 8(;21,' 45,' `5,48&(3' 45,' *),(48(,3' &(;' 45,' =,' 4 'H 8(' 7845' 58 : ' 4 ' @,,=' 45,' A&)A&)8&(3' 24' 9' 4&*6' 24' 8(' ,&15' 1&3,' 583' ,99)43' 7,),' 8(' '&8(' ,' =) : 83,;' 45,' ,(,48&(3' 45&4' 45,6' 35 2*;' @,,='), : (&' &(;' &' B58&)&;&;;&M' A24' 45,' ,(&4,' =),9,)),;' @,,=8(?' 45, : ' 7845 24' 5&'8(?' 4 ' 98?54' 9)' 45, : ' &?&8(34')&(1,' ,' H 8(,;' 583' &==*81&48 (3' 4 ' *),(1,' 7845'&'),D2,34' 45&4' 45,' : (,6' 75815' 5,' 5&;' *,(4' 45,' ,=2A*81' 8(' 843' ?),&4' (,,;' 35 2*;' A,'),42)(,;' 4 ' 58 : ' (7' 8(' 45,' 48 : ,' 9' 583' 348**' :),' =),338(?' (,1,33846' 24' *),(1,' 5&;' 2(;,)4&@,(' 4 ' =&6' 45,3,' : (,63' 4 ' 283' % ' ,)' 9,,*8(?' 4 7&);3' 2; '81 ' (47845 34&(;8(?' &**' 5,' 5&;' ; (,' 9)' 5,)' *&44,)*6' 8(' 5,*=8(?' 5,)' 4 ' 45,'),1 ',)6' 9' 83&' &(;' ,',(' 758*,' 35,' 7&3'),1,8'8(?' 45 3,' 9&' 2)3' &4' 583' 5&(;3' 7&3' A6' (' :,&(3' 9)8,(;*6' *),(1,' *8@,' &**' 45,'),34' 9' 4&*6' 45) 2?5*6' : 83< 4)234,;' 45,' 2@,' 9' 8*&(' &(;' 9,&),;' 58 : ' ,',(' 75,('5,' A) 2?54' 5,)' ?8943')' 5,)' =&)4' 35,' : 215' =),9,)),;' 3,,8(?')&(1,' &4' 8*&(' ,3=,18&**6' &3' 35,' (7' 5 =,;' 4 ' A4&8(' 45,' &);,(4*6' ;,38),;'),34)&48 (' 9' 83&' 9) :' 45,'),(15' @8(?

‘ ,(48),*6‘ ;8;‘45,‘1 (;214‘ 9‘45,‘47 ‘?),&4‘),=2A*813‘ ‘
L45,‘;,:1)&16‘9‘ *),(1,‘&3‘7,**‘&3‘45,‘&)834 1)&16‘9‘
,(81, L 75815‘7,),‘&4‘4583‘=,)8 ;‘45,‘:34‘,33,(48&**6‘
4&*8&(‘ 9‘&**‘45,‘1 : :2(848,3‘9‘45,‘ ,(8(32*&‘35 7‘
45,:‘4‘A,‘2(8(9*2,(1,;‘A6‘&(6‘3=&)@‘9‘45&4‘8 " " ‘
9,,*8(?‘45,‘,O834,(1,‘9‘75815‘84‘5&3‘A,,(‘3 2?54‘4‘4)&1,‘
45) 2?5 24‘45,‘:,;8\'&** 5834)6‘9‘4&*6‘ ‘75 **6‘
&(;‘,O1*238',*6‘7&3‘45,‘ (*6‘* ',‘9‘1 2(4)6‘&(;‘9‘9&45,).‘
*&(;‘75815‘7,‘1&(‘;831 ',)‘8(‘45 3,‘&?,3‘&‘34)814*6‘:2(8<
18=&** 3,(48:,(4‘ ‘1 :=*,4,*6‘5&3‘45,‘ (84&)8&(‘&(;‘
(&48 (&** =&4)8 483:‘9‘),1,(4‘48:,3‘A,,(‘45,‘?) 745‘&(;‘
993=)8(?‘9‘: ;,)(‘8;,&3‘75815‘5&;‘(,845,)‘),=),3,(4&<
48',3‘( )‘&(1,34)3‘8(‘45,‘:,;8\'&** 18'8*8>&48 (
3‘9)‘ 2; '81 P3‘&==*81&48 (‘4‘45,‘ =,‘45,‘ *6‘
&45,)‘7&3‘45,(‘),1,8'8(?‘9) :‘45,‘),(15‘@8(?‘&‘A,?8(<
(8(?‘9‘=&6:,(4‘9)‘45 3,‘F&);2 23‘&(;‘;899812*4G‘3,)'81,3‘
5,‘5&;‘),(;,),;‘4‘ 283‘8(‘45,‘35&=,‘9‘&33834&(1,‘
4 7&);3‘&44&8(8(?‘&**‘5,‘1&),;‘9)‘&(‘,34&A*835:,(4‘9)‘583‘
3 (‘ ,3&),‘8(‘ :&?(&‘M &(;‘84‘7&3‘(4‘*8@,*6‘45&4‘5,‘
35 2*;‘45) 7‘ ',)‘&**‘45,3,‘A)8?54‘5 =,3‘9)‘45,‘3&@,‘9‘&‘
Z280 481‘,(4,)=)83,‘8(‘9&' 2)‘9‘&(‘ *;‘9)8,(;
‘ 45,‘37&)456‘ 2; '81@‘7&3‘*,94‘&* (,‘4‘9&1,‘45,‘
= 7,)‘9‘)&(1,‘&3‘A,34‘5,‘ :8?54‘A6‘45,‘5,*=‘9‘45,‘
7833‘&(;‘B,):&(‘&):6‘75815‘5,‘5&;‘A,,(‘&A*,‘4‘58),‘
283‘% ‘5&;‘* 34‘(‘.48:,‘75,(‘5,‘5,&);‘9‘45,‘ 2@,P3‘
),42)(‘4‘ 8*&(‘8(‘3,(;8(?‘&‘ 3299818,(4‘9)1,‘9)‘45,‘
),1 ',)6‘9‘45,‘4,))84)6‘75815‘5&;‘A,,(‘3‘D281@*6‘7 (‘
&(;‘3‘D281@*6‘* 34‘A6‘45,‘),(15‘&):3‘ 5,),‘7&3‘3:&**
5 =,‘45&4‘ 2; '81‘&(;‘583‘:,)1,(&)8,3‘7 2*;‘A,‘&A*,‘4‘
5 *;‘45,8)‘?) 2(;‘&?&8(34‘45,‘= 7,)‘9‘)&(1,‘ 24 5,‘
5&;‘(4‘ ,',(‘3215‘&‘15&(1,‘&3‘&‘9&8)‘98?54‘ :8?54‘5&',‘
?8',(‘58:‘)‘45,‘ 7833‘8(‘583‘&):6‘3 *;‘58:‘4‘45,‘
7833‘8(‘45,‘=&6‘9‘45,‘),(15‘@8(?‘ (;‘ 2; '81‘
,31&=8(?‘9) :‘45,‘98,*;‘ (‘75815‘583‘58),;‘3 *;8,)3‘),<
923,;‘4‘98?54‘ (‘4‘45,‘ ,(,48&(‘4,))84)6‘7&3‘?8',(‘2=

Y ')# L ' ' ' ' '

' A6' 45,' ,(,48&(' ? ',)(: ,(4' 8(4 ' 45,' 5&(;3' 9' 283 ' &(;' A6' 58 :' 1&))8,;' =)83 (,)' 8(4 ')&(1,' 75,),' &94,)' 4,(' 6,&)3' K=&33,;' 8(' 45,' =)83 (' 9' 1A,3' 8(' 2))&8(,' 5,' ;8,; J

4' *),(1,' 45,'),H 818(?' ',)' 45,'),(15' 3211,33' 7&3' ?),&4' 7' &4' *&34' 45,' 1848>,(3' 45 2?54' 7,' 35&**'),&=' 45,'),7&);' 9' 2)' 7,**.48 : ,;' &;5,),(1,' 4 ' 45,' $8(?P3' 1&23,' &(;' 9' 45,' =2(142&*846' 7845' 75815' 7,' 5&',' ;899812*4' &3' 84' 7&3' 4 ' ; ' 84' ;8315&)?,;' 45,' : (,6' ,(?&?,: ,(43' 7,' &332 : ,;' 4 7&);3' 58 : ' 7' 2)' ?),&4' &**6' 83' &4' *,832),' 4 ' 5,*=' 23' 5,' 78**' 3,(;' 583' '814)8 23' 4) =3' &(;' 83&' 78**' &4' *&34' A,' 2)3

283' =) 9,33,;' 58 : 3,*9' 4 ' A,'),&;6' 4 ' ; ' &**' 5,' 5&;' =) : 83,; ' ,' 7&3'),&;6' 4 ' ;83=&415' &' *&)?,' &) : 6 L &' *&)?,)' &) : 6' 8(;,,;' 45&(' 3,,: ,;' (,1,33&)6' 9)' 45,' =2)= 3,' L 8(4 ' 231&(6' 4 ' 45,' 38,?,' 9' 83&MLC *),(1,' 84' 83' 4 ' A,' 2(;,)34 ;' 9' 1 2)3,' 98(;8(?' 45,' : (45*6' =&6' &(;')&48 (3' 9)' 45,' 4) =3

),' : (,6' 7&(4,;Q),' ;899812*46' 7845' 45,' B),&4' 2(18**' 8(')&838(?' 84Q 0 5&4' (,,;' 9' &**' 45,3,' 3 *;8,)3' Q 894,,(' 52(;),;' :),' 45&(' 7,' 5&;' 1&*12*&4,;' (')' &3@,;' 9)' ' 24' 7,' 1&((4' &99) (4' 2)' ?),&4' 9)8,(;' A6'),9238(?' 4 ' 4&@,' 45,' &8;' 5,' 99,)3' 23' (,' :),' 34)2??*,' &(;' 83&' 83' 2)3' ' ' *),(1,' ?) &(3' &(;' =&63' ' 1,(42)6' ,&)5,)' 35,' =&8;' &(;' *&2?5,;'

(,' : (45P3' =&6' 83' ;834)8A24,;' 4 ' 45,' 4) =3' 9981,)3' &(;' 3 *;8,)3' 8(' : A&);6' 24' 45,6' ;' (4' A,?8(' 45,8)' : &)15' : ,' 3 : &**' : &44,)3' 9' 45,' $8(?P3' A238(,33' 4 ' A,' &44,(;,;' 4 ' 98)34' ' &**' 45,' (,1,33&)6' &))&(?,: ,(43' (4' 6,4' 1 : =*,4,;' 24' 7,' &),' =&68(?' &**' 45,' 48 : ,L =&68(?' 24' 45,' *&34' ;21&43' 3D2,,>,;' 24' 9) :' 2)' =, =*,' 7845' 3215' ;899812*46Q 5,' *),(48(,' F* ??8,' G' 5,&);' 45,' 7&8*8(?' &(;' 45,' &112)&4,' 1 : =24&48 (3' 5 7' : 215' *),(1,' 7&3

'" *4::483 94.4' #1,348' 4,36.14.8' :85' W'" 6:8114' ,5' :41' ,.4' W

3D2&(;,)8(?'9) :' ;&6'4 ' ;&6' 24' 9'1 2)3,'45,'A2)?5,)3' 2(;,)34 ;' 1 2)4*6'A),,;8(?' 4 ' 7,**' 4 ' :&@,' 3215'1 :< W =*&8(43'5,&);'8(') 6&*',&)3

5,'75 *,' : (45'4523'7),' &7&6' 7'45,' &):6'83'),&;6'&A3 *24,*6'D284,'),&;6'4 ' :&)15' 24' '84'83' 45,',(;' 9'45,' : (45Q Z284,'8:= 338A*,'9)'45,'4) =3'4 ' : ',' 7845 24' &(45,)' : (45P3' =&6'8(' 5&(;'),35' ;,A&48(?M' &*: 34' ;,3=&8)8(?' 4583' 48:,' 8(' 45,' *),(48(,' 1 2(18** 5&**3' &;'7,'A,44,)'?8',' 84'2='b),'45,6'(4' :,),*6'15,&48(?' 23' &(;'*&2?58(?' &4'23'8('45,8)'3*,,',3'&** 45,'48:,'b 0,'&),'?8(?';,,=,)'&(;';,,=,)'8(4',O=,(3,M &(;'75,),'83'45,' : (,6'4'1 :,'9) :'b

24' (Q *),(1,' ' ' (4' ?8',' 2=' 45,' 5 =,' 9'),1 ',)8(?' 83&Q 5 2?5' 7845' 4,))8A*,' :83?8'8(?' 5&*9' 323=,148(?' 45&4' 45,6'7,),' A,8(?';,9)&2;,;' 84' 7&3';,4,)< :8(,;' 45&4' 45,' : (,6'9)' 45,' 3,1 (;' : (45P3' =&6' 35 2*;' A,' 3,(4' 4' 7&3' 3,(4M &(;'45,'),(15'&):6'=24' 843,*9'8(' : ',:,(4'4 7&);3' 83&' =&338(?' A6' 211&'45,'),(15';,:&(;,;'45&4'45,'1846'&(;'45,'9)4),33'35 2*;' A,' ;,5',),;'8(4'45,('5&(;3' 5,),' 7&3' ?),&4'42:2*4'8(' 211&ML45,'?',)( )3' 9'45,'544*,' ,=2A51'8(1*8(8(?'4' 68,*;'758*,'45,'=, =*,'7 2*;'5&','),3834,;' 5,'9):,)' 1 2(3,*=),'&8*,;M &(;'45,'),(15'7,),'=24'8(4'=33,338 (' 9' 211&' 4'*&34'45,'&):6'&))8',;'A,9),' 83&M &(;'84' 7&3' (7'E2(,' 21m';,?*8' *A8>>8' 7&3'45,),' &3' :< :833&)6'9)'45,' ,=2A*81'),&;6'4 '),1,8',' = 33,338 (' 9'45,' 1846'45,'8(34&(4' 2)'8('18(18A*,'9)8,(;3' 9) :' A,6 (;'45,' *=3'35&**'5&',' 1 (D2,),;'84'9)'23

24'45,'&):6'45 2?5'D284,'),&;6'4 ' 4&@,' 83&' =) < 4,34,;' &?&8(34' A,8(?' ,O=,14,;'4 ' ;' 3 ' (' &(' ,:=46' 34 :&15' (;'45,6'* 2;*6'1 :=*&8(,;'45&4'45,''8142&*3' =) '8;,;' 7,),' 8(3299818,(4' B28118&);8(8' &;:843' 45&4' 4&@8(?'8(4'1&*12*&48 (' 45,' D2&(4846'75815'45&4'3)4' 9' =, =*,' :8?54' A,' ,O=,14,;'4 ' 1 (32:,'&(;'4 ' 7&34,'45,' =) '838 (' :&;,'7&3' (4' 3299818,(4*6'&A2(;&(4' *8='),32*4

! 7&3' 45&4' 45,' 1&:='A,1&:,'&'31,(,' 9'1 (9238 ('=*2(;,)8(?'
W &(;' &*: 34' :248(6' 5,' B&31 (3' 8(' 45,' &):6' 75 3'
48:,C1H9' 3,)'81,';&4,;'9) :' (8(,';&63'*&4,)'45&('45&4' 9'45,'
7833'8(3834,;'45&4' (' &11 2(4' 35 2*;' A,' 4&@,(' 9'4583'
;899,),(1,.' 7'=&6';&63'8(' 45,' 3&:,' 1&:='45,6'3&8;'
7&3'&'458(?'2(5,&);' 9' (;' 75,(' 45,' 2(5&==6' :<
:833&)6';,:2)),;'4'4583';,:&(;'45,6':&)15,;' 99'8('
;2;?,('4' 211&' F)'45 2?5':,33,(?,)3'7,),'3,(4'
&94,)'45,:'4'),1&**45,:'7 2*;'45,6'1 :,'A&1@'M 3'45&4'
45,'1&:='4523';8:8(835,;'5&;'4'A,'A) @,('2='&3'89'84'5&;'
3299,),;'&';,9,&4'4'45,'?),&4'4&)(8358(?' 9'45,8)'),=24&<
48 (G'J' 3'45,'4) =3'7,),' ('45,'=8(4' 9'A),&@8(?'2='
&'1 :=&(6' 9' 7833'H234'&))8',;'&3'9),,'*&(1,3'* @8(?'9)'
,:=*6:,(4' ('45,8)' 7('&11 2(4'3,8>,;' ,33,)' 21&'
;,?*8' *A8>>8'45,' ::833&)6'F'*8@,'2(),&3 (8(?'A,&343G'
8(38348(?'45&4'&':(45P3'=&6'35 2*;'A,'?8',('4'45,:'4 Q
(;'84'7&3'&A3*24,*6'(,1,33&)6'4'?8',' 45,:'45,8)'458)4,,('
52(;),;';21&43'A,9),'5,'1 2*;',31&=,'9) :'45,8)'5&(;3'Q
5,('&**45,' 7833'8(3834,;'2= ('5&'8(?'),42)('=&6'9)'45,'
H 2)(,6'A&1@'4'45,8)' 7('5 :,3'F'&11);8(?'4'45,'1234 :'
9'45,8)'1 2(4)6MGL8(' ('783,' 15&(?,;'&3' 45,' 4)&',**,)'
@(73'4'45,'=),3,(4';&6' (;'45,' *),(48(,3'45 2?54'
84' ',)6'5&);'45&4'45,6'35 2*;'A,'1&**,;'2= ('4'=&6'
9)'45,'5 :,7&);'H 2)(,6'9':,('75'5&;' ; (,'45,:'
('3,)'81,'75&4,',)

(;'3',(;,;'9)'45,'=),3,(4'&**5 =,' 9'?,448(?'=3<
3,338 (' 9' 83&ML45,'),32*43' 9'&**45,'*(?'=*&((8(?'&(;'
(,?48&48 (' 7581 5'5&;' 12*:8(&4,;' 8(' 4583';83?)&1,92*
9&8*2),'A,8(?'&''&34'7&34,' 9':(,6'&';83&?),,&A*,'3,)8,3'
9';83=24,3'&(;'),1)8:8(&48 (3'7845'45,'),(15'@8(?'&(;'&
1 *;(,33'7845'58:'&)838(?'24' 9'45,:4
,',)45,*,33'&3' 283% '7&3'(4'&':(&)15'4'&** 7'
&'=&338(?' 99,(1,')'&':832(;,)34&(;8(?' 9'4583'@8(;'4

8(4,)9,),' 7845' 45,' = *816' &; =4,;' 7845' &' '8,7'4 '9&)' :),' !
8: =)4&(4' ,(;3' 45,' ,=2A*81' 7&3' 8(;,A4,;' 4 ' 58:' 45,' ?
9 ** 78(?' 6,&)' 9)' 843' *8A,)&48 (' 9) :' &'?),&4' ;&(?,)

5,'5 =,3' &(;' 315,:,3' 9' ,3&),' &(;' 45,' &:A848 (' 9'
583' &=&*' &45,)' 9)' 58:' 5&','A,,(' &*),&;6' :,(48 (,;'
6' 45,' &33834&(1,' 9' 45,'),(15' @8(?' =2)15&3,;' A6'
*,O&(;,)' &3' 5&3' A,,(' 3,,(' ,3&),')?8&' 5&;' A,?2(' 583'
;6(&346.9 2(;8(?' =,)&48 (3' ',)6' 3211,3392**6' 5,' ,O.'
&);8(&*'),: ',;' 9) :' 45,' &1),;' **,?,' A6' 583' 9&45,)'
(' 45,' 31),' 9' 583' 8**,?848:&16'8(');,)' 45&4' 5,' :8?54'
3211,,;'4 ' 45,' = 3848 (' 9' 45,' A) 45,)' 5,' 5&;' :2);,),,;'
5&;' &94,)' A,8(?'),H,14,;' &3' &' 3 (.8(.*&7' 56' 45,' $8(?' 9'
&=*,3'9 2(;' &' (A*,' 789,' 8(')&(1,'8(' 45,' =,)3 (' 9' &'
;&2?54,)' 9' 45,' 23,' 9' *8A),4' 75 ' 7,),' 1 ((,14,;'
7845' 45,' A* ;') 6&*' 9')&(1,' ,' 5&;' &1D28),;' A6' 45&4'
:&))8&?,' 45,' 484*,' 9' 2,' ;,' &*,(48(83' &(;' 83' 5,(1,<
9)7&);' ?,(,)&**6' @(7(' 8(' 4&*8&(' 5834)6' &3' F' ' &*,(<
48(G' 6' 45,' &33834&(1,' 9'),(15' 4) =3' 5,' 5&;'
',)= 7,),,;' 45,' ?&))83 (3' 9' &4,)8(&' 9)>&' [75 3,' 9&**'
4523' (,&)*6' 1 8(18;,,;' 8(' 48:,' 7845' 45&4' 9' 45,' 5,&;' 9' 5,)'
5 23,]' &(;' 3,8>,;' 5,)' 4 7(3' 9' : *&' &(;')*8' &)'
9) :' A,8(?' 1 (4,(4,;' 5 7,',)' 7845' 3215' 3:&**' :&44,)3' 5,'
7&3' (7',(?&?,;' 8(' &(' &44,:=4' 4 ' 234' 45,' 8?( )' 9'
8 :A8(' 9) :' 583' ; :8(8 (3' &(;' 7&3' &3@8(?' 9) :' 45,'
*),(48(,3' =,):8338 (' 9)' 583' 4) =3' 4 ' =&33' 45) 2?5' 45,8)'
4,))84)6' 9)' 4583' =2)= 3,' 24' 45,),' 7&3' :215' 8(' 583'
1 (;214' 45&4' ?&',')83,' 4 ' &' 323=818 (' 7581 5' 7&3' 45,),' 1&('
A,' *844*,' ; 2A4' 7,**' 9 2(;,;' P45&4' ,3&),')?8&' 5&;'
315,:,3' 9' 78;,)' 31 =,' 8(' 583' 5,&;' 45&(' 45,' :,),' &1D28<
3848 (' 9' 45,' *844*,' *);358=' 9' 8 :A8(' 5,),' 7,),'
8(;81&48 (3' 45&4' 758*,' 5,' 7&3'),&;6' 4 ' 4&@,' &;'&(4&?,' 9'
&(6' ==)42(846' 45&4' :8?54' A,' =,(,;' 4 ' 58:' A6' 45,'
2(3,44*,;' 34&4,' 9' 231&(6' 5,' 3=,18&**6' 5&;' 1 (1,8',;' 45,'
8;,&' 9' :&@8(?' 58:3,*9*);' 9' 83&

(' 4)245' 45,' = 3848 (' 9' *),(1,' &94,)' 45,' 4,))8A*,

7581*8 5&;' A,,(' 1&34 ('45,'ii,(15'&):3'&(;'=) ' @,;'&4 %
45,'8**.48:,;'=&)38: (6 9 45,' : : (7,&*45'75815'5&;'
244,)*6'),923,;'4 '92)(835'&(45,)' : (45P3'=&6'&(;'&** 7'
283'&(45,)' ==)42(846 9/=,)9):8(?'583'=) :83,'&(;'
583'4) =3'&(45,)'15&(1,' 9),;,,:8(?'45,8)'15&)&14,)'
5&;'3 2?54'4 '1&34'45,'75 *,' 9'45,'A*&:,' ('45,'8:=,)<
9,14'&))&(?,:,(43' 9'45,' *),(48(,' : :833&)8,3'&(;'5&;'
35 7(' 58:3,*9'&(?)6'&?&8(34'45,'1846'83' ; 2A4*,33'4)2,'
24'45,'3,D2,* 9'4583'=&?,' 9'45,'5834)6'35 73'45&4'
283'5&;'('45 2?54' 9'A,5&'8(?'4)&84) 23*6'4 7&);3'45,'
: : (7,&*45
(;,)'45,3,'18)12:34&(1,3'75,(')?8&'5&'8(?' 84,*.'
* >> ' 84,**8 &(;')38(8 7845'58:' &(;'75&4 7&3' :215'
7)3,'5&'8(?'*,94 8,4) ';,P ,;818 &4 &' '8**&?,'8(' 45,'
=,((8(,3 1&**,;' H&(' (' 45,') &;'A,47,,(' * ?(&'
&(;' *),(1,'1&:,'&3 9&)'&3 &:=8 8(' 45,' &* ;P)('
3 :,'5&*9.;>,(':8*,3 (*6 9) :' 45,'7&**3'45,'&?84&48 ('8('
45,'1846'7&3 ',)6'?),&4' 4'7&3 &' ',)6' :8(23 1 (<
H2(148 (' 4583' 9' ,3&),')?8&'&(;' 8,4) ';,P ,;818'
(;' 45,'1848>,(3' :8?54'7,** A,'&*&):,;' 24'&3 232&*
323=818 (3' 9'75815'84'83'8:= 338A*,'4 '3&6'5 7'9&)'45,6'
7,),'7,**)'8**.9 2(;,;'9 ** 7,;'8(34&(4*6' (' 45,'9,,*8(?'
9'&*&):' 5&4' 8,4) ';,P ,;818 5&;'(4'1 :,'4 ' H&(' '
&(;'8('3215'1 :=&(6'9)'(458(?'7&3 ',)6'1,)4&8(' 24'
45,' *),(48(,' :8(;'9)45 7845')235,;'4 '45,'1 (1*238 ('
45&4'75&4,',)'45,'=* 4'45&4'7&3'A,8(?'5&415,;' :8?54'A,'
84'7&3' (4' =*&((,;'7845 24'45,'1 (12)),(1,'&(;'1 (<
(8'&(1,' 9' ,;81,&(' 9)8,(;3' 7845 8(' 45,'7&**3' 5,'
?,(,)&48 (' 9'3215'8(,'84&A*,'323=818 (3'7&3'&*7&63' (,'
9'45,':&8(' AH,143' 9'3215'&44,:=43'&(;' 9'1 2)3,' (,' 9'
45,':&8(',*,:,(43' 9'45,8)'=338A*,'3211,33' 9'45 3,'&4'
5 :,'75 3,'&(4,1,;,(43'),(;,),;'45,:'*8&A*,'4 '323<
=818 (3'5&;'A,,('8((1,(4' 9'&(6'1 :=*81846'8(' 3215'
315,:,3'45,6'7,),':&;'4 '9,,*45&4'45,8)'=3848 ('8('45,'
1846'5&;'A,,('),(;,),;' ;&(?,) 23' =,)5&=3' 244,)*6'2(.

%'+ ? 4,(&A*,M &(;' 45&4' 45,8)' 3&9,34' 1 2)3,' &(;' A,34' =) 3=,14' 7&3' 4 ' &33834' 8(' A)8(?8(?' &A 24' &'),' *248 (' 75815' 7 2*;' =*&DD' 45,:' 8(' &' = 3848 (' 4 ' 323=,14' 7&415' &(;' 4)&:=*,' 2= (' 45,)3' 8(34,&;' 9' A,8(?' 45,:3,*',3' 45,' AH,143' 9' 323=818 (' &(;'=,)3,1248 (

5,' AH,14' &(;'F:,&(8(?'45,),9),' 9' 3215' &==) &15,3' 4 ' 45,' 1846' &3' 45&4' (7' :&;,' A6')?8&' 7845' 45,' ,;818' 8(' 583' 4)&8(' 7&3' 4 ' 4)6' 75,45,)' 45,' &?84&48 (' 75815' 7&3' 32),' 4 ' A,' =) ;21,;' 78458(' 45,' 7&**3' A6' 45,' '818(846' 9' 3215' =,)3 (3' 7 2*;' :&(89,34' 843,*9' 8(' &(6' 4:PA2*,(1,')' 24A),&@' 75815' :8?54' ?8',' ==)42(846' 9)' (,' 9' 45 3,' '8 *,(4' &(;' 32;;,('15&(?,3' 8('45,'? ',)(:,(4' 9' 45,'1846' 9' 75815' 45,' :,;8&,'&* 5834)6' 9' 45,' 4&*8&(' ::2(,3' 5&3' 3215' (2:A,)*,33' ,O&:=*,3' &8*8(?' 4583' 84' 7&3' &*3' = 338A*,' 45&4' &;'&(4&?, 23' 4,):3' :8?54' A,' :&;,' 7845' 45,' 1848>,(3' 9)' 45,' 7845;8J&7&* 9' &' =),3,(1,' 75815' 8(' &(6' 1&3,' 7&3' 8(1 :=&48A*,' 7845' 45,' 4)&(D28**846' 9' 45,' 1846' &(;' 45,' 3,12)846' 9' 843' ' " ' ? ',)(:,(4

(' 45,' 98)34' AH,14' 45,' =),3,(4' 4,(4&48',' 9&8*,;M 9)' 45,' 1846' :&;,' (' 38?(' E(' 45,' 3,1 (;' 84' 3211,;,;' ',)6' (4&A*6' F' :A&33&;)3' G' 7,),' 3,(4' 4 ')?8&' &4' 45,' 32A2)A&(' '8**&?,' 9' &:=8' A6' :,&(3' 9' 75 3,' (,? 48&< 48 (3' 84' 7&3' &?),,;' 45&4')?8&' 35 2*;' &4' (1,' 7845;)&7' 58:3,*9' &(;' 583' 3 *;8,)3' 9) :' 45,' 4,))84)6' 9' 45,' ,=2A*81' 7845 24' ; 8(?' :),' :83158,9' 45&('45,' 1 (38;,)&A*,' &: 2(4' 5,' 5&;' ; (,' &*),&;6M &(;' 45&4' 8(' 1 (38;,)&48 (' 9' 583' 9)< A,&)&(1,' *),(1,' 35 2*;' &== 8(4' 58:' ,3&),')?8&' 5,)' &=4&8(.B,(,)&* 9)' 45),,' 6,&)3' 7845' &' 348=,(;' 9' 458)46' 45 23&(;';21&43' &.6,&)M &(;' 45&4' 35,' 35 2*;';83:833' 9) :' 583' =)83 ('8(' *),(1,' ,33,)' ,)A *8,' 45,' 3,1),4&)6' 9' 45,' 84,**8' 75' 5&;' A,,(' :&;,' =)83 (,)' &4' 45,' 48:,' 9' 45,' &)),34' 9' & * ' 84,**8' F' :A&33&;)3' G' 7,),' &*3' &=< = 8(4,;' 4 ' &44,(;' 2= (')?8&' (' 583' :&)15' 82');,)' 4 ' =) '8;,'32834&A*6' 9)' 45,' 7&(43' 9' 58:3,*9' &(;' 583' &):6' &3' * (?' &3' 45,6' 7,),' (' 45,' 4,))84)6' 9' 45,' ,=2A*81ML 8(

45,)' 7);3' 4 ' 3,,' 58:' 3&9,' 24' 9' 84 L 4 '=),',(4' 58:' &3' 9&)' &3' = 338A*,' 9) :' 8(H2)8(?' 45,' 1 2(4)6' 45) 2?5' 75815' 5,' :&)15,;' &(;' 4 ' 4&@,' 1&),' 45&4' 45,' A*&1@' :&8*' &;< :8(834,),;' 4 ' 58:' 2(;,)' 45,' &A ',' 3=,18 23' 484*,' 7&3' (4' &*4 ?,45,)' 4*2) 7(' &7&6' 24' 9)' &**' 45&4' 3&63' B28118< &);8(8 J' &(;' (47845534&(;8(?' & ' 45,' 1&),' 45&4' 1 2*;' A,' 4&@,(' 583' =, =*,' ;8;' &' '&34' ;,&*' 9' :83158,9' 4 ' 2)' 1 2(4)6

,',)45,*,33' 4583' &==) &15' 9')?8&' 4 ' 45,' 1846' 5&;' (4' 9&8*,;' 8(' ,:A844,)8(?' 4 ' &' ?),&4' ,O4,(4' 45,' =&)46' H,&* 238,3' &(;' :834)234' 75815' 7,),' &4' &(6' : :,(4'),&;6' 4 ' A,' &7&@,(,;'8(4 ' &148',' :83158,9'8(' *),(1,9,,*8(?3' 75815') 3,' 4 ' 3215' ,O1,33' 2= (' 45,' =),3,(4' 11&38 (' 45&4' 45,6' :&(89,34,;' 45,:3,*',3' A6' 45,' F8(9&:6G' 9' F=&8(48(?' ,O,1248 (' A* 1@3' &(;' &' ?&** 73' G'9' (' 45,' 5 23,' 9' 8,)' ;,)8(8' &' :&(' 323=,14,;' 9' ,;81,&(' 36:=&458,3' ' *&2?58(?' :&44,)' 75,('84' 83'),:,:A,),;' 45&4' 3215' =&8(4< 8(?3' 7,),' &' ;8),14' &(;' : 34' ;&(?,) 23' 8(184,:,(4' 4 ' 45,' = =2*&1,' 4 ' 3&1@' A2)(' &(;' :2);,)

4' 7&3' &(45,)' 3 2)1,' 9' 2(,&38(,33' 4 ' 45,' ? ',)(:,(4' 45&4' 45,),' 7&3' ?) 2(;' 9)' 323=818 (' 45&4' 4583' :&)15' 9')?8&' 5&;' A,,(' 2(;,)4&@,(' 7845' 45,' 1 ((8'&(1,' &(;' =,)5&=3' A6' 45,' 8(348?&48 (' 9' 45,'),(15' @8(?' 5,' :(,6' ;2,' &11);8(?' 4 ' 45,' 4,):3' 9' 45,' &?),,:,(4':&;,' &4' 8*&(' 5&;' (4' A,,(' =2(142&**6' =&8;' 5,' $8(?' 5&;' A,,(' ',)6' &(?)6ML C5&;' F' A*&1@?2&);,;'G' 2)' &:A&33&;)' &4' 583' 1 2)4' 7845' :&(6' 5&)35' 7);3M' &(;' 5&;' ?8',(' 23'),&3 (' 4 ' 458(@' 45&4' 5,' 5&;' 15 3,(' F' 4583' 3481@L)?8&L' 4 ' A,&4' 23' 7845G' (;' 4583' 7&3' 45,' 1 (38;,)&48 (' 45&4' A*8?,;' 23' 4 ' 1 (3,(4' 4 ' 45,',(?&?,:,(4' 9')?8&' 4523' 9)1,;' (' 23' (' 4,):3' 45&4' 84' 7&3' 24' 9' 45,' D2,348 (' 9)' 3' 4 ' A3,)',' A 45' A,1&23,' 45,' 32:' 9' :(,6' 7&3' ,O1,3< 38',' &(;' A,1&23,' 7,' 1 2*;' (4' =24' &(6' 1 (98;,(1,' 8(' 58:

[# ' ' ' ' '

W W 24 45,' $8(?' ? 4' 583' : (,6' (;' 583' &H,346' A,1 :8(?' 45,),2= (' F'37,,4,(,;' ; 7(' &'*844*, G'J');,),;')?8&'(4' 488' : *,34' 23' &(6'92)45,)

)'45,' : :,(4')?8&' A,6,;M :&)15,;' &?&8(34' 8 :.' A8(' 4 @' 84' (' 45,');' 9' ,=4,:A,)' " '&(;' 45,(' 9 ** 7,;' 45,'),(15'&):6'8('843' :&)15'&?&8(34' &=*,3

,&(48:,' 8(' ',:A,)' "" ' 283' % ' 5&;' 1 (< 1*2;,;' &' 3,1),4' 4),&46' 7845' ,);8(&(;' @8(?' 9' =&8(' 75 :'),;,)81@' 9')&? (' @8(?' 9' &=*,3' 32== 3,;' 4' 4' A,' 583' 9)8,(;' &(;' &**6' A6' 75815' 84' 7&3' &?),,;' 45&4' ,);8(&(;' &(;' 283' 35 2*;' H 8(' 8(' 2348(?'),;,)81@' &(;' 35 2*;' ;8'8;,' 45,' @8(?;:' 9' &=*,3' A,47,,(' 45,:M' L &' 1 :=&14' ;835 (2)&A*,' ,(2?5' (' 45,' =&)4' 9' 45,.'),(15' @8(?' A24' 8(9&: 23*6' =,)98;8 23' (' 45,' =&)4' 9' 45,' =&(8&); L 75815'),32*4,;' 8(' &' 1 :=*,4,*6' 3211,3392*' ,O,1248 (' 9' 45,' 8(8D284 23' 315,:,'),;,)81@' 7&3' ',)6' D281@*6' 1 (D2,),;' &(;' 3,(4' &7&6 8(4')&(1,M' &(;' 583' @8(?;:' =&)4848 (,;' A,47,,(' 45,' 3= 8*,)3' &*&A)8&' &(;' 45,' A)2>>8' A,8(?' &338?(,;' 4' =&8(' &(;' 45,'),:&8(;,)' 9' 45,' 4,))84)6' 4')&(1,

5,' F'37,,4(,33'G' 9' 283' 4 7&);3' 45,' : : (7,&*45' ;8;' (4'*&34'* (?' 5 7,',)' ?&8(' 45,' 32:3' ;2,' 4' 58:' A6' &?),,:,(4'5&;' (4'A,,(' =&8;M ( )'5&;' 45,' 98946' 45 23&(;' ;21&43' 75815' *),(1,' 5&;' =) :83,;' 4' 1 (4)8A24,' 4 7&);3' 45,' ,O=,(3,3' 9' 45,' ,O=,;848 (' &?&8(34' &=*,3' A,,(' 9)45< 1 :8(?' (' '&8(' 45,' &:A&33&;)3' 9' 45,' $,=2A*81' P,=),.' 3,(4,;' 45&4' 4583' : (,6' 7&3' (*6' =&6&A*,' (' 45,'),1 ',)6' 9' 83&' 75815' 5&;' (4' A,,(' ,98,14,;' 5,' @8(?' A,8(?' H2;?,' &(;' =&)46' 8(' 45,' ;83=24,' &3' B28118&);8(8' 3&63' 7 2*;' 5,&)' (458(?M' &(;' 583' &H,346P3' 9&1,' 7&3' ',)6' A*&1@' 4 7&);3' 23' 2)' &:A&33&;)3' ;&(1,;' &44,(;&(1,' (' 45,' &);8(&*' ;,' 5&(' 75' 7&3' 2(;,)34 ;' 4' A,' &**.= 7,)92*' 7845' 45,' $8(?ML 9 ** 7,;' 58:' 9) : (,

' 3,(4' &:A&33&;)3' 4 ' *),(1,C' 7A ' 7 ,),M ',)6.1 2)4, 23*6'
' 7,*1 :,; '),:&8(,;' 4A`),J 3,',)&* ;&63 J &;'),1,8',;' &'
=) :83,' 45&4' 8(' 1&3,'45,' :=,))Y3A 2*;' ? '4 ' :,'4 '
),1,8',' .45,'8:=,)8&* 1) 7('45,' 1846'7 2*;'1 (4)8A24,'4A88 46'
45 23&(;' ;21&43.4 7&);3' 45,' ,O=,(3,' 9'45,. ,O=,;848 (' &3'
((' &;:8338 (9' 45`' 9_a;&*)8?543' 9' 45,' :=8), ',)'
*),(1,' 5, (,73' =9'4583'68384 A9'45,' :=`)8&* j:A&33&.C'
;A)88' 9'1 2)3, ,863 ('),&15,;'45,'8C8(?' 9')&(1,'&(;'
=) ;21,;'8(' 583' :8(;&';,4,):8(&48 (' 4 '4),&4'45,' *),(<
48(,3C' 0845' .)&45,8J :U),' 9&' 2)' 45&(P5,' 5&;' *&4,*6Y'A,,('
P;8(?' 84'7 2*;'(4'5&','&4Y&**3284,;'58:'45&4'45`' :)'
:=7,&*4*'' 35 2*;'A,';)8',(' 8(4 'A),&@8(?' 7845' 58:'&*4 C'
?,45,4'&(;'45) 78(?' 843,*9'8(8 45,'&):3' 9'45,' :=,))'
' 9?8&'K),1,8',;' (1,' :),'&(');,)'4 '1,&3,'9) :&**'
:*,34&48 (.&?&8(34'45,' ,=2A*81' ,'),=*8,;' 45&4' &**'
45&4'5&;'5,,(';(,'7&3'A6'('9&2*4' 9'583'A24'7&3',(48),*6'
45,'7)@' 9' 84,** >>' 84,**8'&(;')38(8'45,'98)34'&(O8 23'
e4'&',(?,'45^;,&45' 9'583'A) 45,)'&(;'45,'*&44,8';,38) 23'
9'),34)8(?'5H3'@8(3:,('45,' ,;818 J' C
283'5 7,',)'3,(4'&'A ;6' 9'4) =3'8(4'3 245,)('
i231&(6C'&(;'84' 7&3'2(;,)34 ;' 45&4'583' &H,346'7&3'
9)457845'1 :8(?'8(4' 4&*6'8(' =,)3 (' F'7845'583' :8(;'
D284,':&;,'2='4'3&','23'&(;'=24';7(' 2)',(,:8,3'&(;'
8(' &' ',)6'A&;'52: 2)'7845'45,' =,'&(;'45,' 2@,'
&*,(48(' [,3&),')?8&]' 5,'&))8'&*' 9'45 3,'4) =3'
&23,;' :215'),H 818(?'8(' 45,'1846'45 2?5'7,'5&;'?),&4'
;899812*46'8(' =) '8;8(?'8142&*3'9)'45,:'M &(;'A45,'D2&(4846'
75815' 45,'),(15' 1 (32:,;' &(;'7&34,;'7&3' &:&>8(?'
(;'6,4'7,'5&;'4'4&@,'1&),'45&4'45,),'7&3' =*,(46' 45,)<
783,'45,),'7 2*;'5&','A,,(' ?),&4' ;&(?,)' *,34' A,8(?'
A)24&*8' C(;'5 4.5,&;,;' :,(' &3'45,6'7,),L [(4' ; 18*,'
&(;'1 (4,(4'7845'&' :)3,*' 9'A),&;'&(;'&(' (8 (' *8@,' 2)

J' ,1&448' ='184'&;'&((' "#'B (9' #! '
4'B28118&);8(8' 4)8&' 8) ' ='8(,;' ' ' 8'888'='#!
M ,' ,(;'(' :8(8'A,348&*8',;'8:=&>8,(48G'B2811 '* 1' 84

5831&(3]M 4$,6M :8?*84 *8&',C45) 7(',)64588(?8(4 1 (.
9238 (7,',) A6&);,(434),(?45 9 78 &** ;8998.
12*48,3 [,',(45 3,9 9,,;8(?4;.45,8) 1 (4`544 45,3,
')&18 23 iRBP,(1588(,(]7,),',); :,R.
T 5,),(15 5 7,',) 895 45,66 7,),4,))8A,M884.4&A*,
7,), ,D2&**64 3 8(45,98,*14),>> 688,*;,;&*)(34 8:: ,..
;8&4,*6&94,).45,8) &==,&9V(f5A,9), C84&A;7&3A6);,)
9)?8&J 32)),(;,),;A6 84,**8 4 45,P),(15 5,
*),(48(,3 7,),:215;83?234,;5, &23,'84 7&3(4?8',(
2=4 '45,:'), :,:5,)8(?75&45&;11:4,;8('45;1&3,9
83&P PP (;75,(P45,184HC46&3',46 35)4*6&94,)7&);3
?8',(2=4 45,:'4 ?,45,)7845 &8** 45,45,)=*&1,3 &H8;9
;834)8143 75815 5&;A,,() &83,;8(),A,**8 (&?&8(34 45,(8H
A6 45,);,)3 9$8(? 283K75815)?8&.'5 0, (8215
5,* (?,;4 ;3 ;&),;(4 ;83 A,6'C45,6 |6,),348**
;831 (4,(4,;'A,1&23;'45,6J7,),(4 &** 7,;4 '=2(835 45,
),>> '=, =*, J&3 45,6 ;,38),;'4 ';
' 24 (1,' &?&8(' 45,' 1846 7&3 4523 *8A,)&4,;9) (& 843 P
8))84(,;8&4,' 9,&)3' &(;9) :' &' = 3848 (' 45&4M5&;' 8(' 4)245
:215 9 ',)6 3,)8 23 ;&(?,)' 8(' 84M &(;'4583 *8A`)&48 ('84
1 2*;' (4 A,' ;,(8,;' 7&3 ;2,' 4 ' 45,' $8(? 9C)V(f,'
458(? (7'),:&8(,;' 9 &** 45,' 4) 2A*,3 75815 5&;'
=),33,;'45,' 4&4,'3 '5&);*6'3&',' 45,' 2(&11 :=*835,;'4&3@
9),1 ',)8(? 83&')' 45,' =),3,(4' 5 7,',)' 45,),' ;8;'
(4 3,,:' &(6 8:: ,;8&4,' =) A&A8*846 45&4' 4583 2(;68(?
;,38),' 9 45,' *),(48(,' 5,&)4 7 2*;' A,' ?)&4898,;' K 5,'
1846 7&3 ',)6 9&)9) :' A,8(?8(' &984 1 (;848 ('4 '2(;,)4&@,'
&(6 3215 ,(4,)=)83,' A6 843 7('2(&8;,;',99)43
F 4 83 ;899812*4 4 ' 8:&?8(,G 3&63 B28118&);8(8 J F &'
1846 3 ' 45) 2?5*6 35&44,),;' &(;' 8**.),?2*&84,;' &3 2)3 7&3
&4 45&4 48:,G 2)8(?45,'=,)8 ;' 9 2)?,(4 ;899812*46 &(;'
;&(?,)' 8(' 45,'9),8?(' &99&8)3 9 45,' : : (7,&*45' 75815'
5&;' H234 ,*&=3,;'45,' ? ',)(:,(4 9 45,'1 2(4)6 5&;'Af,(

45&(' 2)' 23,P 9' 8(: (3 8(&3 : 215' &3' 84' 1 (3834, ;' 8(' H, &*846' 9' &' 1,)4&8(' 1&34,' 9' 1848>, (3 ' 8(34, &; .' 9' A, 8(?', *, 14, ;' 4 '),=),3,(4' &** 45 3,P 75 ' &),' ? ',)(,;' A6' 84' 6,4' 843' =,)&48 (' =&)4 @' 9&)' :),' *&)?, *6' 9' &** 45,' '81,3' 9' &(' 2(.' : 8O, ;*6' ;, : 1)&481' &33, : A*6M ' : 8(834,)')' &` : A,)' 9' 45,' 8?( )6' 8(' C *),(1,' 7 2*;' 5&',' A,,(' =,) : 844, ;' 4 ' ;,1*8(,' &(37,)8(?' ?' D2,348 (' =24' 4 ' 58 : ' (' 45,' ?) 2(;' 45&4' 5 ' ;,, : ,;'' 84' 8(1 (3834, (4' 7845' 45,' 8(4,),34' 9' 45,' 4&4,' 4 ' ; .'3t MJ 458(? ', 2*;' A,' 1 (1,&*,;' 9) : ' 45,' B),&4' 2(18*' 45&4' .83' 4 ' 3&6' 9) : '&** 45,' 7)*; ' (;' B2811 8&);8(8' =&)4818 R4)*6' ,(2 : ,)&4,3' & : (?' 45,' ,'8*3' 75815' 58&;.A) 2?*84' 45,' 4&4`' 4A' 45,' *& : ,(4&A*,' 1 (;848 (' 5,C ;,31)8A,3 M45,' 2(78**8(?(,33' 9' 9),8?(' =)8(1,3' &(;' ? ',)(< : ,(43' 4 ' 5&'?' .&(6' ;,&*8(?3' 7845' &' ? ',)(: ,(4' 75815' 7&3' 2(;,)' 45,' (,1,33846' 9' 4,**8(?', 6,)6458(? 84' @(,7' 4 ' &** 45,' 0)*;' Ť' ' J (45,)M ',)6' 8(4,),348(?P&(;' 8(34)2148',' 1 (3,D2,(1,' 9' .45,' =,)&48 (' 9' 45,' B),&4' 2(18** 7&3' &' ;83);,)' &(;' '3,)8,3' 9' ;899812*48,3' 8(' 45,' 98(&(18&** &998&)3' D9' 45,' :) .' 0,&*45' ;831* 38(?' &' 34&4,' 9' 458(?3' 2(;,) 75815/84' 3,, : 3' 4 ' : ;,)(' 8;,&3' 7 (;,)92** 45&4' &' 18'8** ? ',)(: ,(4' 1 2*;' 5&',' A,,('1&))8,;' (' &4' &**' (;' 5,),' &?&8(' 45,' 1 (4)&34' 83' ',)6' (4&A*,' A,47,,(' (' 45,' (,' 5&(;' 45,'),?2*&48 (' &(;' 1 (4) ** ',)' 45,' =2A*81'),',(2,' ,0,)183,;' A6' &'),=),3,(< 4&48',' 3634, : ' 75815' 1)),3= (;8(?' ,O&14*6' 7845' (' (,' 8;,&** 9' 3215' &' 9)&:,' 9' 1 (3484248 (' A&*&(1,3' 843,*9' A,.' 47,,('45,' ,O4),:,'),32*43' 4 ' 75815' &(6' 8;,&*' 89' 1 (3834,(4*6' 1&))8,;' 24' 7 2*;' =235' 84' &(;' 4523' ?)&;2&**6' &;&=43' 843,*9' 4 ' 45,' 34&?,' 9' 3 18&** =) ?),33'),&15,;' A6' 45,' 1 : : 2(846' 84' ? ',)(3' &(;' (' 45,' 45,)' 5&(;' 45,' 98(&(18&** *,?83*&48 (' 9' 3215' &' A ;6' &3' 45,' B),&4' 2(18** 9' *),(1,')' 8(' &** 45,' =) 1,,;8(?3' 9' 4583' A ;6' ;2)8(?' 4583' =,)8 ;' 9' ?),&4' 98(&(18&** ;899812*46' 84' 83' 8 : = 338A*,' 4 ' ;831 ',)' ,845,)'),&3 (&A*,' ,1 (: 6')'),&3 (&A*,' *8A,)&*846' ,845,)' =&4)8 481' =&)38 : (6')' =&4)8 481' ?,(,) 3846' 9' ,O=,(;842),' 5,

' ?)&(48(?')' ,9238(?' 9' 45,' 32==*8,3' &3@,;' 9)' A6' 45,' ? ',)(: ,(4' 3,, : 3' 4 ' 5&',' A,,('),?2*&4,;' ',)6' 1&=)818 23*6' 8A6' 45,' ? ;')' 8**' 52 : 2)' 9' 45,' 1848>,(3' A6' 45,' 1 (;8< 48 (' 9' 45,8)' 7(' =2)3,3' &4' 45,' : : ,(4' A6' 45,8)' =,)3 (&*' 9,,*8(?3' 4 7&);3' 45,' : , : A,)3' 9' 45,' 8?( )6' 5,' ?,(,)&*' 4,(;,(16' ;2)8(?' 45,' =,)8 ;' 8(' D2,348 (' 7&3' 4 '),923,' &**' : (,6' ' 4,3' 7845' ',)6' *844*,'),?&);' 4 ' 45,' A*8?&48 (3' 75815' 45,' 4&4,' 5&;' 4&@,(' 2= (' 843,*9' (;' 45,' 1 (< 3,D2,(1,' 7&3' 45&4' 45,' 8?( )6' 7,),' ;)8',('4 ')&83,' : (,6' A6' : ,&(3' 75 **6' 8(1 : =&48A*,' 7845' 45,' =) 4)&14,;' 1 (< 48(2&(1,' 9' &' 9),,' 9) : ' 9' ? ',)(: ,(4' 815' 1848>,(3' 7,),' &)A84)&)8*6'),D28),;' 4 ' *,(;' : (,6' 4 ' 45,' 4&4,' &(;' 7,),' 8(' ',)6' : &(6' 8(34&(1,3' 5,*;' 2(;,)' &)),34' 2(48*' 45,6' 1 (3,(4,;' 4 ' ; ' 3 'J' B28118&);8(8' 8(;,,;'),=),3,(43' 4583' 4 ' 5&',' A,,(' &(' &*: 34' ,',)6;&6' 112)),(1,' &4' 4583' =,)8 ;

5,' &A3 *24,' (,1,33846' 9' 3 : ,' : ,&32),' 9'),9) : ' 5&;' A,,(' : &@8(?' 843,*9' ',)6' ?,(,)&**6' 9,*4' 9)' 3 : ,' : (453' =&34' 5,' : 34' A'8 23'),: ,;6' 7&3' 4 ' 1 (4)&14' 45,' ;,: < 1)&481' *&)?,(,33' 9' 45,' ,O8348(?' 1 (3484248 (' (;' 9' 1 :P3,' 45,' *,&;8(?' 1848>,(3' 45,' : ,(' 9' 45,' ?),&4' 9& : 8*8,3' &**' 45 3,' 8(' 35)4' 8(4 ' 75 3,' 5&(;3' 45,' = 7,)' 7C 2*;' 5&',' 9&**,(' 89' &(6' *8?&)1581&*' : ;8981&48 (' 5&;' A,,(' &; =4,;' 7,),' &**' 8(' 9&' 2)' 9' &'),9) : &48 (' 75815' 45,6'),=),3,(4,;' 4 ' A,' : ,),*6' &'),42)(' 4 ' 45 3,' *;' 1 (3484248 (&*' 9) : 3' 2(;,)' 75815' 45,' : : (7,&*45' 5&;' 2(;,(8&A*6' @(7(' A,44,)' 48 : ,3' 45&(' 84' 5&;'),1,(4*6' ,O=,)8,(1,;' 24' 45,' B),&4' 2(18*' 7&3' 98**,;' 7845' : ,(' 9' &' 1*&33' 75815' 5&;'),1,(4*6' 9)' 45,' 98)34' 48 : ,'9 2(;' 45,' 5 (2)3' &(;' , : *2 : ,(43' 9' 45,' 4&4,' 78458(' 843'),&15' (;' 45 2?5' 84' 7&3' 8 : = 338A*,' 9)' 45,3,' : ,(' (4' 4 ' 9,,*' &(;' &; : 84' 45&4' : &44,)3' 7,),' ? 8(?' ',)6' A&;*6' &(;' 45&4' 45,),' 7&3' 2)?,(4' (,,;' 9' 3 : ,')&;81&*' 15&(?,' 6,4' 45,6' 7,),' ,O1,,;8(?*6' 2(78**8(?' 4 ' 3,,@' 45,

),D28),;'),:,;6' 8(' &'),9):' 7*881*8' 45,6' 9,&),;' 7 2*;'),<
1 (38?('45,:'4 '45,' A312)846'9) :'75815'45,6'5&;',:,)?,;'
(*6'&94,)'45,'37,,=8(?';,: 1)&481':,&32),3'A) 2?54'&A 24'
A6' &' (&) *&

4'*&34'5 7,',)' :&44,)3'A,1&:,'3 'A&;'&(;'45,'1)8481&*'
= 3848 (' 9'45,' :: (7,&*45';2)8(?'4583'*&34'),A,**8 (' &4
),>> ' &(;'45) 2?5 24'45,'3 245,)(' =&)4' 9' 231&(6'5&;'
3 ' :215'&*&):,;'45,'1848>,(3' 9',',)6'1*&33'45&4'&**' A,?&('
4 '=,)1,8',' &(;'&;:84'45,'(,1,33846'9'3 :,':;8981&48 (' 9'
45,',O8348(?'1 (34842 48 (' 4'7&3'3,,('A6'&*' :,('45&4'&3'
B2811 8&);8(8'J' =5)&3,3'84'F'89'('A,44,)'9):' 9'? ',)(:,(4'
1 2*;'A,'9 2(;'45,'1846'7&3';)&78(?'(,&)'843',(;G' 5,'
?,(,)&*' 1)6' 45,),9),' &: (?'45&4' :&H)846' 9'45,' B),&4'
2(18*' 75815'5&;'A,,(' : 34'&',)3,'4 ' 15&(?,'9)'9,&)' 9'
3,,8(?' 45,:3,*',3' 8;4 ?,45,)' ,O1*2;,;' 9) :' 8981,' &(;'
= 7,)' 7&3'45&4'3 :,458(?' :234'A,' ; (,'ML &(6458(?'3 '
45&4' (*6'45,' B),&4' 2(18*' 7&3' (4' 4 215,;' &(;'P&'
45) 2?5' *8?&)156'8(4) ;21,;' 4' 7&3' =) = 3,;'45&4'&'
1 2(18*' 9' 9) :' 9)46'4 ' &' 52(;),;'1848>,(3' 35 2*;' A,'
,*,14,;' 7845'*&)?,',O,1248',' &(;'*,?83*&48',' = 7,)3'9)'*89,'
24'84'7&3'9,&),;'45&4'45,'=, =*,'7 2*;'(4'A,'=,)32&;,;'
4 '1 (3,(4'4 '4583M' &(;'92)45,)'45&4'45,' &148 (' 9'3215'&'
A &);' 7 2*;' A,' =&)&*63,;'A6' ;899,),(1,3' &(;'H,&* 238,3'
3215'&3'45 3,'75815'5&;'A) 2?54'Y45,' 7,(46YP &== 8(4,;'
&94,)'45,',O8*,' 9' 8,4)' ;,P ,;818'4 ' &' ;,&;'* 1@' 4'
7&3'32??,34,;'45&4'&'B (9&* (8,),'35 2*;'A,'&== 8(4,;'9)'
3 :,':215'* (?,)'=,)8 ;'45&('45,'47 ' : (453'75815'5&;'
5845,)4 ' A,,('45,'4,):' 9'45&4' 9* 1,')'9)'*89,' 215'
;8312338 ('4 @'=*&1,' ('45,'D2,348 ('75815' 9'45,3,'47 '
315,:,3' 7,),' 45,'A,44,)' (;'&4' *&34' =&)4*6'9) :'45,'
;831 (1,)4,;' :&158(&48 (3' 9'45 3,'75 ' 7835,;'4 '45) 7'
24' 45,' :,&32),' &*4 ?,45,)' A24' :&8(*6'9) :'47 ' 1 (<
38;,)&48 (3L 98)34*6' 45&4'&'B (9&* (8,),' 9)'*89,' 5&'8(?

' ' (458(?' 92)45,)')' 58?5,)' 4 ' 5 =,' 9)' 8(' 45,' 1846 ' 7 2*;' A,' *,33' *8@,*6' 4 ' =,)' ,)4' 45,' = 7,)' &(;' 8(9*2,(1,' 8(' 583' 5&(;3' C' AH,143' 9' =,)3 (&*' & : A848 (' ' &(;' 3,1 (;*6 ' 45&4' D28448(?' 583' = 3848 (' (*6' 7845' 583' *89,' 5,' 7 2*;' (4' A,' ,O= 3,;' 4 ' 9,&)' 75,(' 5,' 35 2*;' 5&','),42)(,;' 4 ' &' =)8'&4,' 34&48 (' 45,' ',(?,&(1,' 9' 45 3,' 75 :' 84' :8?54' A,' 583' ;246' 4 ' =2(835' 75,(' 8(' 9981,' 45,' 1),&48 (' 9' &' B (9&* (8,),' 9)' *89,' 7&3' &4' *&34' =) = 3,;' A6' 45,' 8?( )6 ' 1 (98) : ,;' A6' 45,' &);' 9' 8?546 ' &(;' =&33,;' 8(' 45,' B),&4' 2(18*' (;' 45,' ,*,148 (' 9,**' (' 8,4) ' ;,)8(8' &' 1848>,(' 9' : &42),' &?,' 9' (A*,' 9& : 8*6 ' 9' 2(A*, : 835,;' 15&)&14,)' &(;' 75 ' 5&;' 75&4' 7&3' 9,*4' 4 ' A,' 45,' 92)45,)' 34) (?'),1 : : ,(;&48 (' 9' A,8(?' 158*;*,33 J

8,4) ' ;,)8(8' 45,),9),' ,(4,),;' (' 4583' 9981,' &3' B (.' T 9&* (8,),' 9)' *89,' (' 45,' 34' 9' ',: A,)' "#

(;' &A 24' 45,' 3& : ,' 48 : ,' 45,' ,',).3589 48(?' &3=,14' 9' =2A*81' &99&8)3' 8(' 4&*6' A,?&(' &?&8(' &94,)' &' 9,7' : (453' 9' 1 : =&)&48',' 3,12)846 ' 4 ' 1&23,' 2(,&38(,33' 8(' *),(1,' 5,'),(15' @8(?' 5&;' 8(' E2*6' 1 : : &(;,;')?8&' &(;' 45,' *);3' 9' 45,' 3,',)&*' 1848,3' 75 ' 9 2?54' 2(;,)' 583' A&((,) L ' 3=,18&**6' 84,** >> ' 84,**8' 9' 844V' ;8' &34,** ' 45,')38(8' &(;' & * ' &?*8 (,' 9' ,)2?8& L 4 '),34),'),>> ' &(;' &**' 45,' 45,)' 231&(' 1848,3' 75815' 45,6' 5&;')&83,;' 8('),' *4' &?&8(34' *),(1,' &(;' 4 ' 7845;)&7' 9) :' 45,' 4,))84)6' 9' 45,' $,=2A*81' (;' 4583' 5&;' A,,(' ; (,' 24' 84' 7&3')2 : 2),;' 8(' *),(1,' 45&4' 45,' =,' &(;' 583' 3 (' ,3&),' &(;' 45,' A&(;' 9' A)8?&(;' =)8(1,3' 75 ' &14,;' :),')' *,33' 7845' 45,:' &(;' 2(;,)' 45,8)');,)3' 5&;' A,,(' 5,&);' 4 ' 3&6' 75,(' 45,6' 7,),' 1 : =,**,;' 2(78**8(?*6' 4 ' ;) =' 45,' A (,3' 45,6' 5&;' ? 4' A,47,,(' 45,8)' 4,,45' 8(' E2*6 ' 45&4' 45,),' 7 2*;' 3 (' A,' &(' ==)42(846' 9)' 7))68(?' *),(1,' 75,(')&(1,' 35 2*;' (4' A,' (,&)',(2?5 ' ( )' 1 2*;' &))8',' 8(' 48 : ,' ,(2?5 ' 4 ' =) 4,14' 5,)' 4' 5&;' A,,(' 5 =,;' 8(' *),(1,

45&4' 75,(' 45,' $8(?'),42)(,;' 4 ')&(1,' 5,' 7 2*;' 4&@,' ,3&),')?8&' 7845' 58:' 24' 283' 5&;' 1) 33,;' 45,' *=3'M)?8&'5&;'&11 :=&(8,;'58:'&3'9&)'&3' 348'A24'5&;' 45,('),42(8,;' (;' *),(1,' 7845 24' &(' &):6')' 45,' :,&(3' 9')&838(?' (,' 7&3'8(' (' *844*,' &(O8,46'&3'4 ' 75&4' 4583' *&7*,33' &(;' 8(3&48&A*6' &:A848 23' =,P3' 3 (' :8?54' (,O4' &44,:=4' 4' 7&3' &**' ',)6' 7,**9)' 45,' $8(?' 4 ' 1 :< :&(;' 58:' 4 ' &A34&8(' 9) :' :*,348(?' *),(1,' &3' * (?' &3' 45,' $8(?' 7&3' (' 45&4' 38;,' 9' 45,' *=3' 4 ',(9)1,' 583' 1 :< :&(;3' 24' 84' 7&3' 9,*4' 8(' *),(1,' 45&4' 89' 5,' 7,),' 4 ' &44,:=4' &(6458(?' 75815' 35 2*;' &332:,' 45,' &3=,14' 9' &' 1 :=*,4,;' 9&14' A,9),' 5,' 1 2*;' A,' =),',(4,;' 9) :' ; 8(?' 84'84'7 2*;' A,' ,&36' 4 ' 8(;21,' 45,'),(15' @8(?' 4 ' 1 (38;,)' A6? (,3' 4 ' A,' A6? (,3' &3' 3&63' B28118&);8(8' 84' 83' 45,' (&42),' 9' 45,'),(15' 4 ' ;

24' 8(' 45,' :8;34' 9' 45,3,' ; 2A43' &(;' 9,&)3' &' (,7' 1 :< =*81&48 (' &) 3,' 75815' 8(' 3 :,' ;,?0.,' 1 (4)8A24,;' 4 '),34),' &' 9,,*8(?' 9' 3,12)846' 8(' *),(1,' 583' 7&3' &' 32;;,(*6' &' 7,;' 45 2?5' (4' 32;;,(*6' 1 (1,8',;',(:846' A,47,,(')?8&' &(;' 45,' 46)&(4' *);3' 583' 4 *3' &(;' 32A);8(&4,3' 83' 2(=)8(18=*,;' =,)98;6' 7&3' 3 ' (4)8 23' 583' &:A848 (' 3 ' 8(3&48&A*,' &(;' 583' 3211,33' 5&;' A,,(' 3 ' ?),&4' 45&4' ,&15' 9' 45,3,' &11 :=*81,3'8(' 583' =&34'3= *8&48 (3' A,?&(' 4 ' 9,&)' 45&4' 5,' :8?54' A,' 45,' (,O4' 4 ' A,' ;,' 2),;' 84,**8' 45,),9),' &(;' &?*8 (,' &(;')38(8' &(;2*9 ' `4)2118' 9' 8,(&' *8',) 44 ' 45,' *844*,' 46)&(4' 9' ,):' &(;' B28;A&*;' 45,' ;83= 33,33,;' 2@,' 9')A8(' 5&;' &' :,,48(?'8(' 45,' ;834)814' 9' ,)2?8&' &(;' 9):,;' &('&' 7,;' *,&?2,' 9)' 45,' =) 4,148 (' 9' ,&15' &(;' &**' 9' 45,:' &?&8(34' 45,8)' *&4,' ?,(,)&*' &(;' 9)' 45,'),34)&48 (' 9' 45,' ;83= 33,33,;' 8?( )3' 9' 45,' 1848,3' 9' :&?(&

5,' 98)34' 34,=' 4&@,(' A6' 45,' 1 (9,;,)&4,3' 7&3' 4 ' :&)15' 8(4 ' 45,' 2156' 9')A8(' 75815' 7845' ',)6' *844*,' ;899812*46' 45,6'),34),;' 4 ' 2@,' B28;A&*;')?8&' &(;' 45,' =,' 7,),' :215' &*&):,;' 5,6' 3,(4' :,33,(?,)3' 58' &**' 5&34,' 4

"#)&(1,' 4 ' &3@' 9)' &33834&(1,' &(;' 8(' 45,' : ,&(48 : , ' A,9),' &(6'),=*6' 4 ' 45&4' &==*81&48 (' 1 2*;' A,' ,0=,14,; ' 45,6' =) .' ℍ= 3,;' &(' 99,(38',' &(;' ;,9,(38',' &**8&(1,' 4 ' 45,' : : (< 7,&*45 ') = 3&*3' 9' 45,' 3& : ,' @8(;' 5&;' 5 7,',)' &*3 ' A,,(' : &;,' A6' 45,' 45,)' =&)46 ' 8(1*2;8(?' 99,)3' 9' &33834&(1,' 8(' 5,' : &44,)' 9' 83&' 24' *)C(1,' 9,,*8(?' 84' 4 ' A,' ',)6' ; 2A492*' (' 75815' 9' 47 ' 3215' ,(48),*6' 2(4)2347)456' 32==)43' 84' 7&3' : 34' &;'83&A*,' 4 ' *,&(' &(;' 75815' 9'3215'45) 2?5*6'2(31)2=2* 23')2998&(3' 84' 7&3' *,&34' ;&(?,) 23' 4 ' 5&',' 9)' &(' ,(,:6 ' ;,4,) : 8(,;' 4 ' 4,: =)8>,' 48**' 84' 35 2*;' A,' 3,,(' 75&4')&(1,' 7 2*;' 3&6')' ; ' 8(' 45,' : &44,)

4' 7&3' 45 2?54' J' 45&4' 89' 45,' 1 (9,;,)&4,' 1&=4&8(3' 5&;' &94,)' 45,8)' 3211,33' &4')A8(' =235,;' (' &4' (1,' &?&8(34' 45,' 1848,3' 112=8,;' A6')?8&' 8(' : &?(&' 45,6' : 8?54' 8(' & ' =) A&A8*846' 5&',' 8(9*818,;' (' 58 : ' &' ',)6' ;& : &?8(?' ;,9,&4' 89' (4' ,(48),*6' 1)235,;' 58 : ' 24' 45,6' * 34' : 215' 48 : ,' (;' A,9),' 45,6' 7,),'),&;6' 4 ' : &@,' &(6' 92)45,)' : ', : ,(4')?8&' 7&3' =),=&),;' 4 ' ;,9,(;' 58 : 3,*9M' &(;' $8(?' 283' 5&;' 3,(4');,)3' 4 ' 583' B,(,)&*' 8(' 8*&(' 4 ' 23,' 45,'),(15' 9)1,3' 45,),' 8(' &(6' 7&6' 45&4' : 8?54' A,' (,1,33&)6' 9)' 583' 32==)4' 5,' 1 (9,;,)&4,3' 3&7' 45&4' 45,8)' 15&(1,' 7&3' ? (,' 45&4' 45,' ?& : ,' 7&3' &' 5 =,*,33' (,M &(;' 45&4' 45,8)' (*6' 15&(1,' 9' 3&9,46' *&6' 8(' : &@8(?' 45,8)' 32A : 8338 (' &(;' 1 : 8(?' 4 ' 4,) : 3' 7845')?8&' 5,6' ;8;' 3 M 45,8)' 32A : 8338 (' &(;' ,0123,3' 7,),' &==&),(4*6' 7,**),1,8',;M A24' 45,'),32*4' 7&3' 45&4' 4 ' 7,**.@(7(' : (34,)' ;,,;' 9' 4),&15,)6' &(;' 1 *;.A* ;,;' 1)2,*46' 7845' 75815' 45,' 7)*;' 5&3')2(?' ,',)' 38(1,' 2**8(?' 45,8)' 323=818 (3' A6' &(' &==,&)&(1,' 9' =,)9,14'),1 (18*8&48 (' 5,' 8(;21,;' 45,' =)8(< 18=&*' : , : A,)3' 9' 45,' *&4,' 5 348*,' 1 (9,;,)&48 (' 4 ' : ,,4' 58 : ' &4' 8(8?&?*8&' &' 3 : &**' 1846' (' 45,' 1 &34' 9' 45,' ;)8&481' &' 9,7' : 8*,3' 4 ' 45,' ( )45' 9' (1 (&M &(;' 45,),' *&68(?

5&(;3' ('45,:' &3' 3 ('&3',',)' 45,6' 7,),'8('583' = 7,)' 5,'
1&23,;' 45,:' 4 ' A,' 34)&(?*,;' (,' &94,)' 45,' 45,)' (' 45,'
#!45' 9' ,1,:A,)' "#
& *8' &?*8 (,' 9' ,)2?8&' 7&3' (4' &: (?' 45,:' ,'
5&;' (4' ? (,' 4 ' 8(8?&?*8&' &(;' 4523' ,31&=,;' 35&)8(?'
45,8)' 9&4,
)?8&' * 34' (' 48:,' 8(' ?&45,)8(?' 45,' 9)2843' 9' 583'
5))8A*,' 4),&15,)6' 8)34' 5,' :&)15,;' 583' &):6' &?&8(34'
844V' ;8' &34,** ' &(;' :&;,' 58:3,*9' :&34,)' 9' 84' 7845 24'
&(6' ;899812*46' ,O4' 5,' 3,8>,;' ,)2?8&' 9) :' 75815'
&?*8 (,' 9,,*8(?' 58:3,*9' 4 ' 7,&@' 4 '),3834' 58:' 9*,;'
5,('5,' :&)15,;'4 ' 8,(&' 75,(1,' 5,'1&23,;' 45,'1848>,(3'
4 ' A&(835' &(;2*9 ' `4)2118M' A24' 98(;8(?' 45,:' ;83= 3,;'
4 ' ;,9,(;' 45,8)' 7&**3' &A34&8(,;' 9) :' &44&1@8(?' 45,:' 9'
1 2)3,' 4583' ',)6' 1 (38;,)&A*,' ,O4,(38 (' 9' 45,' = 7,)' &(;'
8(9*2,(1,' 9' 3215' &' :&(' &3')?8&' 7845' 583' '81,3' &(;' 583'
1&=&1848,3 L 9)' 45,),' 83' (' ; 2A4' 45&4' 4583' : (34,)' 9'
781@,;(,33' 7&3' &' ',)6' &A*,' &148',' &(;' ,(,)?,481' :8*84&)6'
*,&;,) L 1&23,;' 3,)8 23' 2(,&38(,33' 4 ' 45,' 45,)' 34&4,3' 9'
45,' =,(8(32*&' ,3=,18&**6' 4 ' 45 3,' 3:&**,)' 8(;,=,(;,(4'
1 ::2(848,3' 9' 1,(4)&*' 4&*6' &(;' 4 ' 45,' ?),&4' :: (.'
' 7,&*45' 843,*9' 75815' 8(' 843' =),3,(4' 1 (;848 (' 75 **6'
;,=,(;,(4' 9)' &(6' :8*84&)6' (,1,33846' (' 58),*8(?' 4) =3'
7845' (' (,' 9' 45,' ?),&4' &=4&8(3' 9' 45,' ;&6' &'&8*&A*,'
&(;' 7845' 45,' 2(&11 :=*835,;' 4&3@' 9'),1 ',)8(?' 83&'
A,9),'84' 7 2*;' 5&);*6' 5&',A,,(' &A*, L)')&45,)' 84' :&6'
A,' 3&8;' 7 2*;' &332),;*6' (4' 5&',A,,(' &A*,' 89' *,94' 4 ' 843'
7(',3 2)1,3 L 4 '),3834' 45,' = 7,)' 75815' ,3CP,')?8&'
7&3' &A*,' 4 ' A)8(?' &?&8(34' 84' ,' 7&3' (7' *);' 9' : *&'
)*8' &,(>&' 8:8(8' ,3&) ' 7845' 3 :,' 45,)' 3:&**,)'
8?( )8,3' 8(' :&?(&' 9' 45,' 2156' 9')A8(' 9'
&:,)8(' ,))& ' 7845' &' ?),&4' =&)4' 9' 45,' 4,))84)6' 9'
45,' &)15' 9' (1 (&' 9' ,)2?8&' 8 :A8(' 844V' ;8'
&34,** ' 848?*8&(' &(;' 45,' 45,)' *);358=3' 9' 45,')38(8'
&15' (,' 9' 45,3,' 1848,3' &(;' ; :8(8 (3' &3' 5,),',(2:,)&4,;

!
"

5&;' A, , (' 4&@, (' A6' 58 : ' 9) : ' &3' 4 &(6' ;899,), (4' =)8(1,3' A6'
1 (D2,34' &(;' A6' 4),&15,)6' . &(6' 9' 45,' 9) : ,)' = 33,3<
3)3' 5&;' A, , (' : 2) ; ,), ;' A6' 5894 8(' '&)8 23' : &((,)3 ' &(;'
(' ;899,), (4' 11&38 (3' (;' (&P (,' 9' 45 3,' 75 '), : &8(, ;'
7&3' 8(' &' = 3848 (' 1&*12*&4, ;' 4;M *,&' ,' 45, : ' &(6' 5 =,' 9'
), 1 ',)8(?' 45,8)' = 33,338 (3

**' 4583' : &6' A,' 3&8;' 4 ' 5&' ,' A, , (' 45,' =)81,' 9' 45,'
31&(;&* 23' ;83=, (3&48 (' ?)&(4, ;' A6' *,O&(;,)' 4 ' 283'
% ' =,) : 8448(?' 58 : ' 4 ' =24' &7&6' 583' 7 (' 789,' &(;' : &))6'
45,' 78; 7' 9' 583' 1 238(L 9' F' 45&4' &) ; 2 23' &(;' ;899812*4' G'
=8,1,' 9' &=&*' 5&(;87)@' 75815' 5&;' 4 ' A,' =&8;' 9)' A6'
=*&18(?' 45,' &) : 3' 9')&(1,' &4' 45,' 3,)'81,' 9' &' 1&23, ' &(;'
9' : , (' 75 : ' 5834)6' 348*'* 1 (38; ,)3' &3' 45,' 7)34' 45,' 7)*;'
5&3' , ',)' 3, , (' 24' 5&'8(?' A&1@, ;' 45,' & : A848 23' 315, : , 3'
9' 45,')?8&3' 4523' 9&)' 84' 5&;' A, , (' : &; ,' 1*,&)' 4 ' 45, : '
45&4' 283' ;8;' (4' 8(4, (;' 4 ' ; ' :), ' (' 45,' 1&3,' 9' 45,'
&44, : =43')?8&' 5&;' : &; ,' (' * ?(&' 8(' 45&4' 9'),>> C'
&(;' 583' 45,)' 315, : , 3' 9)' ?, 448(?' &' 9 48(?' 8(' 231&(6'
45,'), (15' @8(?' 5&;' ',)6' ; , 18; , ;*6' 3&8;' Q' (;'
)?8&' 5&;' A, , (' 8(' , &15' 1&3,' A*8?, ;' 4 '), *8(D2835' 583'
=), 6' 458(?' :), ' 45,), 9), ' 7&3' 4 ' A,' 5 =, ;' 9)'
9) : ' 45,' ? ; 78*'* 9')&(1, ' (;' &' (, 7' 15&(?,' 8(' 45,'
= 3848 (' 9' 4&*8&(' &998&8)3' 3, , : , ;' 4 ' =) : 83,' 45&4' 92)45,)'
=) : 48 (' 1 2*;' (*6' A,' 5 =, ;' 9) : ' &44&158(?' 45,')?8&'
9)42(, 3' 4 ' 45 3,' 9' &')8' &'* = 4, (4&4,

5,' @8(?3' 9')&(1,' &(;' 9' =&8(' 5&;' ;8' 8; , ;' A, 47, , ('
45, : ' &3' 5&3' A, , (' 3&8; ' 45,' @8(?; : ' 9' &=*, 3 ' 24' 84'
7&3' 31&)1, *6' = 338A*,' 45&4' 3215' &(' &))&(?, : , (4' 35 2*;'
9&8'* 4 ' =) ; 21,' : 242&'* , (1) &15 : , (4' &(;' D2&)), **8(?'
A, 47, , (' 45, : ' 5,'), (15' A, 8(?' &4' 98)34' 9&)' 32=,)8)'
8(' (2 : A,)3' 4 ' 45,' =&(835 ' ',).)&(' (, &)*6' 45,' 75 *,'
9' &*&A)8&' 24' 45,' =&(835' @8(?' 5&' 8(?' 3, (4' 34) (?'
), 8(9)1, : , (43' 8(4 ' &=*, 3' 2(;,)' (3&*' 8' 75 ' 83' @(7 ('
8(' 45,' 5834)6' 9' 45,' =,)8 ;' &3' F' 5,' B), &4' &=4&8(G' &(;'
75 ' 7&3' =) A&A*6' 8(' 9&14' 45,' ?), &4, 34' 3 *; 8,)' 9' 583' ; &6

45,'),32*4' &94,)' 3 : ,' 9)284*,33' &44, : =43' &4' (,? 48&48 2' 7&3' &' ',)6' 3,',),' ;,9,&4' 8(9*814,;' (' 45,'),(15' A6' 45,' =&(835' 9)1,3M &(;' 78458(' &' 9,7' ;&63' &94,)7&);3' 45,',O=2*38 (' 9' 45,'),(15' 9) :' &=*,3' &(;P45,' 75 *=' 9' 45,' @8(?; :' 7845' 45,' 3 *,' ,O1,=48 (' 9' B&,4&' 75,),' &' =)48 (' 9' 45,'),(15' &) : 6' 9 2(;' &'),92?,' (;,)' 45,3,' 18)12 : 34&(1,3' 45,')?8&3' 9&45,)' &(;' 3 (' ;,18;,;' 45 2?5' (4' 7845 24' 3 :,' 9,&)3' &(;' ; 2A43' [9)' 283' 348**' 5,*;' 8*&(' &(;' 45,' (&:,' 9')&(1,' ;8:8(835,;' &3' 45,' = 7,)' 9' 84' 7&3' A6' 45,3,'),',)3,3' 7&3' 348**' &' 7);' 9' 9,&)' &: (?' 45,' =)8(1,3' 9' 4&*6]' 4' 1&34' 8(' 45,8)' * 4' 7845' =&8(

(,' 9' 45,' 8: :,;8&4,'),32*43' 9' 4583' 15&(?,' 9'= *816' (' 45,' =&)4' 9' 45,')?8&3' 7&3' 45,' 3,(;8(?' 9' &33834&(1,' 4 ' 45,' 83&(3' 4 ' 32==)4' 45,:' &?&8(34' 45,' (,7' ,99)43' :&;,' 4 ' A)8(?' 45,:' 4 ' 32AH,148 (' IA6' ;,'&34&48(?' 45,' 32)) 2(;8(?' 1 2(4)6' 9) :' 75815' 45,6' ;),7' 45,(.' 32==*8,3' 583' = *816' 5&;' A,,(' 1&))8,;' 24' 3 ' 3634,:&481&**6' A6' *),(1,' 45&4' &' (,7' A &);' 5&;' A,,(' 1),&4,;' 9)' 45,' =:P= 3,' 9' 32=,)8(4,(;8(?' 45,3,' =,)&48 (3' 1&**,;' F' N)" ' ' O'" *')' F' 9981,)3' 9' ;,'&34&48 (G' ' 5,' ;,'&34&48 (' 1 : :844,;' 2(;,)' 4583' 32=,)8(4,(;,(1,' &33834,;' A6' &' 3:&** A ;6' 9'),(15' 4) =3' 2(;,)' 45,' &8**8' ;P 11&(J' 7&3' &3' 1 :=*,4,' &3' 1 2*;' A,' ;,38),;' 24' 84' 9&8*,;' 9' =) ;218(?' ,O&14*6' 45,'),32*43' 5 =,;' 9) :' 84' A,1&23,')?8&' 9 2(;' 45,' :,&(3' 9' 3,(;8(?' 32==*8,3' 8(4' 45,' 1846' A6' 3,&' ' 45&4' F' &*45 2?5' 45,),' 7&3' :215' 31&)1846' &(;' ;899812*46' 9' *8'8(?' 8(' 83&' 6,4' 45,8)' A348(&16' 7&3' 3215' 45&4' 7,' 1 2*;' (4' &' 8;' 45,' 1 ('8148 (' 45&4' 45,6' 7 8;;' ,(;2),' &(6458(?')&45,)' 45&('),42)(' 4' 45,8)' A,;8,(1,' 4' 45,' : : (7,&*45M &(;' 45&4' (,845,)' ;899812*48,3' ( )' 31&)1846' A24' (*6' 5&);' (,1,33846' &(;' 35,,)' 9)1,' 1 2*;' A)8(?' 45,:' 4' 84 G' 9 (' 45,' :,&(48:,')&(1,' 5&;' A,,(' =),=&)8(?' &' = 7,)92*

J' &);*6'),1 ?(83&A*,' 2(;,)' B28, 8&);8(8P3' F 2 : ' 1A8&:&4 ' 8*' &*8' ;8' &(G L 4)8&' 8),(4' 15&='OO'88

1' *4,648394.4' #1,348' 4,36.1 ',5' 4.69 ' +,2' 444' 5' XX

‘ &) : 6‘ 9‘ 9894, , (‘ 52(;), ;‘), (15‘ *&(1,3 ‘ &(;‘ 9894, , (‘ 45 23&(;‘ 7833‘ 8(9&(4)6 ‘ 2(; ,)‘ ,‘ *&‘), : 28**, J‘ 9)‘ 45,‘),1 ',)6‘ 9‘ 45,‘ * 34‘ @8(?; :‘ 9 &=*,3 ‘ =&8(‘ (‘ 5,)‘ 38; ,‘ 7&3‘ (‘ *,33‘ &148', M &(;‘ &3‘ 45,‘ 1 : 8(?‘ 34)2??*,‘ =) : 83, ;‘ 4 ‘ A,‘ &‘ 5&) ;*6‘ 1 (4,34, ;‘ (, ‘ 283‘ 7&3‘ ',)6‘ &(O8 23‘ 4 ‘ @(7‘ 75&4‘ =&)4‘ 45,‘)?8&3‘ 7,),‘ *8@, *6‘ 4 ‘ 4&@, ‘ *,O&(; ,)‘ 5 7, ',)‘ 75 ‘ &3‘ 5&3‘ A, , (‘ 3, , (‘ 5&;‘ : &; ,‘ 2=‘ 583‘ : 8(;‘ 4 ‘ 45) 7‘ ',)‘ 45,‘), (15‘ &**8&(1, ‘ 75815‘ 5&;‘ ; (,‘ 3 ‘ : 215‘ 9)‘ 58 : ‘ 1 2*;‘ (4‘ A,‘ =,)32&; , ;‘ A6‘), (15‘ & : A&33&;)3‘ 4 ‘ =) (2(1,‘ 58 : 3, $‘ 1*,&)*6‘ ,33, (?,)‘ &94,)‘ : ,33, (?,)‘ A) 2?54‘ 48; 8(?3‘ 75815‘ (*6‘ 3,) ', ;‘ 4 ‘ 8(1), &3,‘ 45,‘), (15‘ @8(?P3‘ : 83?8'8(?3‘ 4‘ *&34‘ (, ‘ 75 ‘ 83‘ 3&8;‘ 4 ‘ 5&', ‘)8; ; , (‘ 9) :‘ : ,‘ 4 ‘ &1 (‘ 75,),‘ 283‘ 45, (‘ 7&3‘ 8(‘ 9 2)‘ ; &63 9‘ A) 2?54‘ 45,‘ &**.8 : =)4&(4‘ (, 73‘ 45&4‘ *,O&(; ,)‘ 5&;‘ ; 8, ;‘ (‘ 45,‘ 45‘ 9‘ 2?234‘ "

,3‘ M *,O&(; ,)‘ 7&3‘ ; , &; M &(;‘ 45,‘ 7)*;‘), *8, ', ;‘ 9) :‘ 45&4‘ =)4, (4 23‘ 3=, 14&1*,‘ 9‘ 3211, 3392*‘ &(;‘ 4)82 : =5&(4‘ 781@, ; (, 33‘ 75815‘ 5&3‘ 8(‘ , ',)6‘ 32A3, D2, (4‘ &?,‘ A, , (‘ &‘ 342 : A*8(?.A* 1@‘ 8(‘ 45,‘ 7&6‘ 9‘ (&)) 7.'838 (, ;‘ 3=, 12*&4)3‘ (‘ 45,‘ ; 8'8(, ‘ ? ',)(&(1,‘ 9‘ 45,‘ 7)*; .‘ ,‘ 7&3‘ &‘ : &(‘ 75 3,‘ 9*, 35*6‘ '81, 3‘ 7,),‘ 9‘ &‘ @8(;‘ 45&4‘ ; , ?)&; , ;‘ 58 : ‘ 4 ‘ &‘ *, ', ‘ 9&)‘ * 7,)‘ 45&(‘ 45&4‘ 9‘ 45,‘ A)24,‘ 1), &48 (‘ &(;‘), (; ,)‘ 45,‘ 45 2?54‘ 9‘ 58 : ‘ &A3 *24, *6‘ * &453 : ,‘ 4 ‘ : &(@8(; ‘ 75815‘ 83‘ 232&**6‘ &(;‘ (4‘ 2( ), &3 (&A*6‘ 8(; 2*?, (4‘ 4 ‘ 9)&8*48, 3‘ &)838(?‘ 9) :‘ 45,‘ (&42)&‘ =&338 (3‘ &(;‘ &==, 484, 3‘ 9‘ 52 : &(846‘ (;‘ 5,‘ 7&3‘ , (; 7, ;‘ 7845‘ 8(4, **8?, (1,‘ 3299818, (4‘ 4 ‘ A,‘ 1&=&A*,‘ 9‘ , ',)6‘ 3=8)842&‘ ; , =)&'846‘ 75815‘ : &(P3‘ 8 : &?8(&< 48 (‘ 1 2*;‘ 5, &=‘ 4 ?, 45,)‘ &3‘ 45,‘ &==) =)8&4,‘ , D28= : , (4‘ 9)‘ &‘ 32== 3, ;‘ , 4,)(&‘ =)8(18=*,‘ 9‘ , '8‘ 8(‘ 843‘ 2(; 68(?‘ 98?54‘ &?&8(34‘ ‘ 9) :‘ 9‘ ? ; M L 8(4, **, 14‘ 3298*18, (4‘ 9)‘ 4583‘ A24‘ 8(3299818, (4‘ 4 ‘ , (&A*,‘ 58 : ‘ 4 ‘ 9) :‘ &(6‘ 1 (1, =48 (‘)‘ 45,)6‘ 9‘ 45,‘ 7)*;‘ 8(‘ 75815‘ 5,‘ *8', ; ‘ 9‘ 45,‘ ?), &4‘ 9981,‘ 5,‘ ; 83?)&1, ; ‘)‘ 9‘ 45,‘ B ;‘ 75 3,‘ '81, ?,), (4‘ 5,‘ 7&3‘ 7845

I‘ F‘ (38?( ),‘ ;‘ 8‘)&: H88 G‘ &3 B28118&) ; 8(8‘ 1&**3‘ 58 :
g‘ , ()8‘ &)48(‘ 834‘ ; ,‘)&(1, .‘ ' *‘ '888‘ =‘ -##

2(3=,&@&A*,' A*&3=5, : 6' &(;' : (34) 3846' 32== 3,;' 4 ' A,' 45&(' 3215' &3' 7&3' A&3,;' (' 45,' * 7,34' A&3,34' &(;' 45,)' (&)) 7,34' (48 (3' 9' 45,' (&4 : P,' 9'? ;' &(;',' '8*' 24' 4583' : &(' 7&3' 45,' : 34' &A*,' 4 ' *8,' : &;,' =,' 9' 45,' (8',)3&*' 5 : P15' 8(' 583' ;&6M &(;' (4' (*6' 3 ' A24' 7&3' &3' B28118&)< ;8(8' J' 3&63' 45 2?5' F' 45,' 7)34' 6,4' 45,' : 34' 9)42(&4,' =,' 45&4' 45,' 7)*;' 5&;' 3,,(' 9)' : &(6' &?,3 G

' : 34' 9)42(&4,' =,' Q 5&4' 7&3' 45,' H2;? : ,(4' 9' 45,' &?,' 75815' : &;,' 58 : ' =,' 24' 32),*6' 45,),' 83' (' (,,;' 4 ' 9,&)' *,34' 45,' : (34) 23' =5,(: ,((' 35 2*;' F A),&@' ,&',(P3' ;,38?(' Q G ',(' 45 3,' 75 ' &),' : 34' 8 : =),33,;' 7845' 45,' 9&14' 9' 45,8)' 8(&A8*846' 4 ' 31&(' 45,' 31 =,' 9' 45&4' ;,38?(' (,,;' (4'),923,' 4 '),1 ?(8>,' 45,' 3,)'81,3' ,'8;,(4*6'),(;,),;' 4 ' 45,' 1&23,' 9' 52 : &(' =) ?),33' A6' 45,' ,O834,(1,' 9' 3215' &' (4899' 5,' A*&>8(?' 31&(;&*' 9' 3215' &' : &(P3' 112=&(16' 9' 3215' &' = 384) (' 9*2(?' &' 3,)'81,&A*,' *8?54' 9&)' &(;' 78;,' ',)' 45,' (&48 (3' 75815' 45,' *,33' 23,92*' ;,1,(16' &(;',',(' '8)42,3' 9' 32A3,D2,(4' =,3' 7,),' 8(3299818,(4' 4 ' D2,(15' =,' *,O&(;,)' ;8;' : 215' 4 ' 9)1,' 9)7&);' 45,' 45) ,3' 9' 45&4' =&8(92*',9) : &48 (.A8)45' 7845' 75815' 2) =,' 7&3' 5,&'8(?')' &),' 45,' 23,3' 9' 58 : ' ,',(' 6,4',O5&234,;' 4' 83' 3 : ,458(?' 8(' 45&4' *&34' ;,1838',' A&44*,' 9' : &(@8(;' &?&8(34' =)8,34*6' 46)&((6' 9)' 75815' 45,' 1&** 4 ' &) : 3' 83' ,',(' (7J' 3 2(;8(?' 758*,' ' 7)84,' 45&4' 45,),' 35 2*;' 5&',' A,,(' 3215' &' =,' &3' *,O&(;,)' 4' 83' 3 : ,458(?' 45&4' 45,' A&*,92*' = 7,)' 9) : ' 75815' : &(@8(;' 83' &A 24' (1,' &(;' 9)',',) :),' 4 ' ,31&=,' 1 : ,3' 4 ' 45,' 1 (4,34' 7,8?54,;' 7845' 45,' ;& : (8(?' &(;' 8)),924&A*,' 9&14' 9' 4583' : &(P3' =),3,(1,' 8(' 5,)' = 34 *81' *8(,' 9' &11,=4,;' '81,?,),(43' 9' B ;' (',&)45' &(;' 3&1),;' 4)&(3 : 844,)3' 9' 8(9&**8A*,' 4)245

)42(&4,' &3' 583' 1 (4, : =)&)8,3' A,*8,',;' 58 : ' 4 ' A,' 45,6' 9,*4' &(;' &; : 844,;' 45&4' 45,' : &((,)' 9' 583' ;,&45' 7&3' 15&)&14,)83481&**6' 7)456' 9' 58 : ' ,' &(;' 583' 3 (')?8&

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5&;=* 44,;4),: ',A6=83 ('32(;)6 &);8(&*3 9 75 3,
7,&*45 45,6 7835,;4 A4&8(=33,338 (&(;75 3,F5&43G
45,6 ;,38),;4 3,** 4 45,A,34 A8;;,))4583 =2)=3,
45,8(4,(;,;'8148:3 5&;A,,('8('84,;4 &A&(D2,4 4 A,
?8',(8(&?&);,(8(45,,('8) (3 9 45,1846 75,),45,
=,'7&(; ,3&),)?8& 5&'8(? A,,(45, 98)34 4 &))8',
&7&84,;45,8)?2,343 5, 7,&45,)7&3 ,01,,;8(?*6 5 4
&(; *,O&(;,)7&3 ==),33,;A6 4588)34 ,1&**,;9)78(,M
&(;P8(45,&A3,(1,&3 84 35 2*;3,,: 9 45,3,)'&(4 75
7&3 ,(4)234,; 7845 45, 8:=)4&(4 4&3@ 9 3,)'8(? ,&15
?2,34 7845 45,A,',)&?,,3=,18&**6 ;,38?(,;9)58:),<
1,8',;9) :45,5&(;3 9 (,(4 8(45,3,1),4 &12= 9
45,=83 (,;78(,=),=&),;9)45,,O=,14,;?2,343 *,O<
&(;,) ;)&(@ *&)?,*6M ,3&),)?8&&(; 45, &);8(&* ;,
)(,4 75 5&; &*),&;6 &))8',;&(; 75 7&3 (, 945,
8(4,(;,; '8148:3:),3=&)8(?*6 **45),,7,),A) 2?54
A&1@ 4 : , 8(&(&==&),(4*6 ;68(? 34&4, 24 45,
=, (*6 ;8,; ,3&),)?8&(;45, &);8(&* &94,)** (?
8**(,33),1 ',),; J

5,7)*; 5&',3&8; 7&3),*8,',; A6 45, ;,&45 9
*,O&(;,) (;45,1 (3,(48,(4 4 (, 9 &** 45,1 (<
4,:=)&)6 7)84,)3 8(1*2;8(? ? 338=8(? *; & :A8 75
=) :83,3 4 1 :=3,&),1);9 583 1)8:,3 ,89 35&** *8',
Y48** " " 9 ,3&),)?8& G H234898,3 45,&33,)48 (
45&4 ,',(45, 38O4,,(45 1,(42)6 7)*;7&3 3,(38A*, 9 &
9,,*8(? 9 :)&*),*8,9 9) :45,'), : '&* 9 3215 &: (34,)
9) :3215 &=*&1, 24 84 83 ,D2&**6 4)2,45&4 &** 45,
1 (4,:=)&)6 =*&6,)3 8(45,8(4)81&4,&(;?28*,92* ?&:, 9
4&*8&(=*84813 8(7581 5,5&;=*&6,;3 '*&)?,&=&)4 7,),
&*3 9) :9&)(&)) 7,)&(;* 7,): 48',3'),*8,',;A6 583

Z *4::48394.4 #1,348 4,36.14.8 :<85 DD+44 #1,348 9@218248 24E +4
:<85 4 8)E4 !6247 96>24 3*9 ,=: +,2 DD4 5 WX <6 A*84.1 8.9
.8 +6 8::,*.1 >4+6.E;1<4= G34163 ,% 26D8.963 4= G622 G,31< 36894.> 1
4= 1<6 138.=:3451 6D8:1 6+6.1,1<6 53,.*.:4814,. ,% 1<6 182H 1<81)4><1
<8+6 E66.<6839 4.1<6 8.9 81 1<6 =13661 :,3.63= ,% 2,36.:6 G<6.
1<6 .6G= ,%1<6 ,56@= 9681< 368:<69 1<6 :41;

), : '&* 9) :' 45,' 31,(,' 283' % ' 75 ' 5&;' :&8(*6' W
T:&;,' 9)' 58:' 45&4' =) 3=,)846' 75815' 3 ' 31&(;&*8>,;' 45,'
:&4,)8&*.:8(;,;' &(;' f :81) 31 =81.,6,;' :)&*8343' 75,('
45,6' :&)@,;' &(;' 3=,12*&4,;' (' 84 L 283' 75 ' 5&;'
4&)(835,;' 45,'5 (2)' 9')&(1,'&(;'583' 7(' (&:,'9)',',)'
A6'45883'35&:,92*4)&9981' 7845'4583'9&*3,' =,' 7&3',3=,18&**6'
?*&;'4 ' A,')8;' 9'&(' &11 :=*81,' 75 ' 7&3' (' 45,' = 8(4' 9'
42)(8(?'&?&8(34'58:' 5,' ,(,48&(3' 7,),' :215'),*8,',;'
A6'&(',',(4' 75815' 7&3' 1&*12*&4,;' 4 ' A),&@' 2=' 45,' = 7,)'
9' ,3&),')?8&'8(' :&?(&'A,9),' 84' 5&;' 5&;' 48:,' 4 '
A,1 :,' 1 (3 *8;&4,;' *),(1,'&(;' 45,' 45,)' 9),,' 1848,3'
9' 1,(4)&* 4&*6' 5&;' &A ',' &**' 1&23,' 4 '),H 81,' 45&4' 45,'
=, ' ;,&45' 5&;' 112)),;' 75,(' 84' ;8;' ' 9,7' :),'
6,&)3' &(;' &3' 45,),' 7&3' ,',)6'),&3 (' 4 ' 9,&)' 45,')&=8;*6'
)838(?' = 7,)' &(;' &31,(;&(16' 9' 45&4' =,348*,(4' 98),A)&(;'
45,' =,P3' 3 (' 7 2*;' 5&',' ,34&A*835,;' (' 45,' 1 (98(,3' 9'
231&(6' &' 34) (?' &(;' 1 :=&14' ; :8(8 (' 2(;,)' ;,3= 481'
)2*,' 75815' 7 2*;' 5&);*6' 5&',' A,,(' 1 :=&48A*,' 7845' 45,'
1 (48(2,;' ,O834,(1,' 9' 45,' 8(;,=,(;,(4' 1848,3'M ,',(' 89'
)?8&' 58:3,*9' 5&;' (4' 3211,,;,;' 8(' :&@8(?' 58:3,*9'
:&34,)' 9' 83& L=,)5&=3' ,',(' 9' *),(1, L 9'&** 1,(4)&*
4&*6M L (&6' 9' &3=8)8(?' 4 ' 45,' ,:=8),' 9' 45,' ,(48),'
=,(8(32*&
)' 84' :234' A,'),:,:A,),;' 8(' 1 ((,148 (' 7845' 75&4'
7&3' 3&8;' 8(' &' 9):,)' 15&=4,)' 9' 4583' A @'),3=,148(?' 45,'
((.,O834,(1,8(':,;8\'&* 4&*6' 9' 45 3,' 8;,&3' 9' 4&*8&('
2(846' 75815' 5&',' =*&6,;' 3 ' *&)?,'&' =&)4' 8(' 5,)' : ;,)('
5834)6' 45&4' 45,' &A3,(1,' 9' 3215' 8;,&3' A6' (' :,&(3'
,O1*2;,;' 45,'2(8968(?'&3=8)&48 (3'&(;'=) H,143' 9'&:A848 23'
;,3= 483:' 24' 45,),' 83' ('4)&1,' 9'&(6' 3215' 4,(;,(16'8('
45,'8(4,),34' 9'9),,; :' 5,'9)8,(;3' 9'9),,; :'3 2?54' 84'
8(' 323=818 23' '8?8*&(1,'&(;'9)234)&48 (' 9' 3215';,38?(3'
5) 2?5 24' 45,' :8;;*,'&?,3' 45,'=),= (;,)&(1,' 9'&(6'
4&*8&(' = 7,)' 7&3'&'1 (34&(4'3 2)1,' 9'&*&):'&(;'H,&* 236'
4 '& '45,' 45,)3' A,1&23,'45,':),')'*,33';,98(84,'8(4,(48 (

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W 9&8 8'8(?&445,,:=8),9&45,,(48),=,(8(32*&7&3&*7&63 323=,14,;24(2,9&45,9),,34&4,3 7845&45,,O1,=. 48 (9,(81,75815&1 2*;(*6A,1&**,;3 8(&',)6 :;898,;3,(3,9&45,4,):,',)5&;)7&3323=,14,;4 5&',&(6&3215C&:A848 (2)8(?45,75 *,9&45,:,;8\'&* =,)8;:2(818=&*83:7&3&45,1*3,**6 9&9),,;:5, =)H,14 9&2(8981&48 (A6&12:2*&48',=)1,33 9&232)=&48 (7&3C&7,**@(7(=5,(:,((,(2?5 4&7&3 (*6 =&4)8 481&3=8)&48 (3 8(&38:8*&);8),148 (45&47,),2(< @(7(

4&7&3A,1 :8(?',)6;2A492* 8(;,,;&4&45,48:, 9 *,O&(;,)P3;,&45 75,45,)45,),(15=7,)7 2*;A,&A*,4 :&8(4&8(843 7(?)2(;8(4&*6 :215*,33 4 =)4,14 45,)3 *,O&(;,)&(;583 3 (75 7,),35),7;H2;?,3 5&; :&;,2= 45,8) :8(;3 45&4 84 1 2*;(4 (;8(9&14 45,?),&4&):6 75815)&(1,7&3=),=&)8(?4 3,(;4 &=*,3 7&3A,9),45,,(;9 " &3 ,(48),*6;,9,&4,;A6F45,B),&4 &=4&8(G (3&*'8 &3 45,8)=),;,1,33)3 8(45,3&:,34)2??*,5&;A,,((;75&4 :8?54 45,(5&',A,,(45,9&4,9 *),(1,5&; *,O&(;,)*8',;&(;)?8&348** A&1@,;A6 45, &=&*=7,)8(5,&*45&(;2(=83 (,;A6583 9&45,)P3 A*2(;,)8(?A24*,)45,),1&(A,*844*,;2A4 24 9) *),(1,45, ;,&45 9 45, =,7&3 (*6 5&*9 45,A,(,984 &)838(?9) :45&4 :834&@,&4 45,32A2)A&(&=&* A&(D2,4 5,6 2(?,) 3,)=,(4 45 2?5 (4 @8**,;7&3A&;*6 31 415,;ML 3 A&;*6 31 415,;45&4 &4 45&4 1)8481&* : :,(4 75,(84 7&3 9 45,:34 '84&* 8:=)4&(1,45&4 5,35 2*;A,2=&(;;8(?'?&45,)8(?583 9)1,3 4 ?,45,) :2*48=*68(?583 =),3,(1, ,',)675,),8(583 '&)8 23),1,(4*6.&1D28),;34&4,3 &(; ',)&78(?;83&99,148 (A6583 &245)846 5,7&3 *68(?381@&*:34 4 ;,&45 8(:, ,7&3 3 1 (318 23 9 45,2)?,(4 (,1,33846 9 &148'846 45&4 5,) 3,9) :583 381@.A,;&3 3 (&3 84 7&3 = 338A*,9)58:4 : ',&(;34) ',4 ;)&?58:3,*9 4 45,31,(,75,),&** 45,*&A 2) 9

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! B),&4 7&3 45,'H2A8*,,'8(' *),(1,' (;'(7'89 (*6A6'
? 45,'5,*=' 9 45,' &; 4:&'75 3,'A*&1@ ,998?6 7,'A) 2?54
'; 7('9) :'5,)'3=,18&**6A,* ',;'58 '152)15 &4 :=)2(,4&'
4 '5,*=' 23 8(' 45,' 38,?,L 4 ' (' ?),&4 =2)= 3, L CA6 45,'
5,*=' 9)&(1,'A6 45,'5,*=' 9 &(6A ;6)' 9 = 7,)3 1,*,3<
48&*' :2(;&(,')'8(9,)(&*' 83&' 1 2*;' (1,' :),'A,' 2)3'
*),(1,'7 2*;'A,'5,)3,*9 &?&8('Q

6624.>' 4.' 2,36.:6' 8E,*1' 1<6' 36:,+63;' ,% 4=8 ' 28.' ,% 94+6314.>' 1<6' :,*3=6' ,% 1<6' 3*, 28.' ,% 16)514.>' 1<6' 4=8.=' 1,' 268+6' 1<643' :41; ' 3:,26' 6.14+,>24,' 8.9' ,1<63' :85184.=' 6.>8>69 !4%%636.1' ,54.4,.=' 4.' 1<6' :41;' ,.' 1<4=' =*EI6:1 #*::6==' *.963' 6.14+,>24, 118:H' ,.' 4=8 ' <6' 18248.' =,29461=' 36%*=6' 1,')83:<' *5' 1,' 1<6' E368:< #,9634.4@=' 8.=';6'' 1,' 8')6==8>6' %3,)' ,.=82+4 3681' 94=855,4.1)6.1 68:6')896' E61G66.' 38.:6' 8.9' #584. 1' 4=' 8>3669' E61G66.' 1<6=6'),.83:<=' 8.9' 2,36.:6' 1<81' 4=8' =<822' 361*3.' 1,' 2,36.:6 '!4%%4:*21;' G41<' *::8 5,' O82' 94' 46+,26 *::8' 8118:H69F? 8H6=' 568:6' G41<' 2,36.:6 ,,9' 4.13,9*:69' 4.1,' 4=8' E;' 2,36.14.6' :41476.= 68=.36=' %,3' :2,=4.>' 1<6' E2,:H896'),36' =134:12; 4=8' 81' 28=1' ;4629= ' 2,36.14.6' :,))4==4,.63=' 6.163' 1<6' :41;' ,.' 1<6' 1<' T*.6' W X 2248.66' E61G66.' ,56' 8.9' L4.> 26:14,.' ,%' 4*=' '8=' ,56 #*::66969' E;' T*24*=' ' 4=' :<838:163 3,*.9=' ,% 82248.:6' E61G66.' <4)' 8.9' ,*4=' 8>84.=1' 1<6' O6.6148.= 3681' 96%681' ,%' 1<6' 281163 ' 34.74+8226' 96228' #1*%8@=' :,.=5438:;' 4.' %8+,*3' ,% 1<6' 694:4 #*996.' :<8.>6' ,% 5,24:;' ,.' 1<6' 5831' ,% 1<6' ,56 68>*6=' G41<' O6.4:6' 8.9' 1<6' #58.4839=' 8>84.=1' 38.:6 2,36.:6' 81' 8' 2,==' <,G' 1,' 8:1 <6' 8394.82' 4,+8..4' 96@ 694:4 36.:<' =*::6==6=' .683' ,2,>.8 3,I6:1' ,% 8' =:<4=)814,' ,*.:42 ,56.69' 81' 4=8 2,36.:6' 528:69' *.963'4.16394:1' E;'1<6' ,56' T*24*=' 96163)4.69' ,.' 36=1,34.>'1<6' 694:4 <6'4.16394:1'36),+69 ' *31<63' 36.:<'=*::6==6= 3681' E81126' ,% 8+6..8 !681<' ,% 8=1,.' 96' ,4D T*24*=' G422' .,1'<683' ,% 568:6 <6' 36.:<' 934+6.' %3,)' 182;' !6)8.9=')896',.' 2,36.:6 63' 8.=G63 .+8=4,.' ,% *=:8.;' E;' 1<6' #58.4=<' +4:63,;' 8.9' 1<6' 694:4 #8:H' ,% 381, #,9634.4' 268+6=' 2,36.:6 <6' 694:4' 6.163' 41

' (*6' 7,' 1 2*;' ?,4' 83&M 05&4' :,&(3' 1&(' 7,' 4)6' (,O4'D 75,),' 1&(' 7,' * @' 9)' 5,*=' 4' ?,4' = 33,338 (' 9' 83&'D 5,' ? ',)(:,(4' 9' 45,' 1846' 83' (4' &*4 ?,45,)' 3&483< 9&14)6' 2)' (,7' B (9&* (8,),' 9)' *89,' ; ,3' (4' ; ' &** 45&4' 7,' ,O=,14,;' 9' 58:' 3' 9)' 45,' &;:8(834)&48 (' 9' 1)8:8(&* H23481,' 9)' (,' 458(?' 5,' =&63' (' &44,(48 (' 4' 84' 75&4,',)M &(;' 84' 83' 7)3,' 89' &(6458(?' 45&('A,9),ML 75815

48 (' 8(' 45,' ? ',)(: ,(4' 9' 45,' 1846 ' 7 ,),' (4' *,33' A236' 8(' W W
;,A&4,' (' 45,' 3& : ,' 4 =81

(;' (7 ' ,&)*6' 8(' "- ' &' (,7' 8;,&' 2= (' 45,' 32AH,14' 7&3' A,8(?' ,&?,)*6' 1&('&33,;' 45) 2?5=24' 45,' 1846 ' 0 5&4' 89' 7,' 1 2*;' 42)(' 45,' 1 2)3,' 9' 45,')(b' *,&',' 83&' &(;' 843' &112)3,;' 1848>,(3' 58?5' &(;' ;)6 ' &(;')28(,;' 9)' ,',)Q ' :),' 9 ;' 1 : 8(?' 8(' A6' 3,&' 45,(Q ' :),')2((8(?' 9' 2)' A* 1@&;,Q 8P H,14)3' *,&)(,;' 8(' 56;)&2*813' 5&',' A,,(' 7845' B (9&* (8,),' ;,)8(8 ' &(;' 92**6' =,)32&;,;' 58 : ' 9' 45,' 9,&38A8*846' 9' 45,' =*&(' &(6' =)2< ;,(4' 1848>,(3' ; 2A4' 84' : 215 ' 24' ;,)8(8' 83' =,)32&;,;' 45&4' 45,' 458(?' : &6' A,' ; (,' &(;' 78**' 5&',' 84' 4)8,;' ' ;8??,)3' &(;' ;6@,' 1 (4)&14)3' &),' 3,4' 4 ' 7)@M &(;' : &(6' 45 23&(;' ;21&43' &),' 3=,(4 ' 24' ,845,)' 45,' 3@8**' 9' 45,' ,(?8(,,)3 ')' 45,' (2 : A,)' 9' 45,' ;21&43' 3=,(4 ')' 45,' =,)< 3,',)&(1,' 9' 45,' *),(48(,3 ' 7&3' (4' 3299818,(4 ')')(' 7845' &(' A348(&16' &3' =) ' @8(?' &3' 45&4' 9' 45,' 83&(3 ' =,)< 3834,;' 8(' 9 ** 78(?' 843' &11234 : ,;' 1 : 3,' &(;' 45,' 315,: ,' 7&3' &A&(; (,; J

5,(' 3&8;' B (9&* (8,),' ;,)8(8 L F 4' 83' (4' 1 (< 1,8'&A*,' 45&4' 45,3,' ; ?3' 9' 83&(3' &),' &(8 : &4,;' A6' &(6'),&*' 9,,*8(?3 9' =&4)8 483 : ' ,4' 23' =) 1*&8 : ' 45&4' ,',)6' 83&(' 75 ' 78**' *,&',' 45,' 1846' 35&**' A,.' =&); (,;' 583'),A,**8 (' &(;' 5&',' 583' =) =,)46'),34),;' 4 ' 58 : ' 0 ,' 35&**' 3,,' 45&4' &' 9,7' &4' &' 48 : ,' ,',)6' : &(' 9' 45,: ' 78**' 1 : ,' 24M &(;' 83&' 78**' A,' *,94' ,: =46' Q ' =) 1*& : &48 (' 4 ' 45,' &A ',' ,99,14' 7&3' : &;,' (;' 32),' ,(2?5' 32(;)6' 9' 45,' 8(5&A84&(43' 9' 83&' =),3,(4,;' 45, : 3,*',3' 4 ' 4&@,' &;'&(4&?,' 9' 84 ' 5&Q 4583' 315,: ,' &4' *,&34' 7)@3' 7 ,**Q 2)' B (9&* (8,),' 7&3')8?54M' &(;' 7,' 35&**' ?,4' 83&' &4' *&34Q 24' 84' ',)6' 3 (' A,?&(' 4 ' A,' A3,)',;' 45&4' 7845' &' 38(?2*&)' 2(89) : 846' 9' 18)12 : 34&(1,' &**' 45 3,' 75 ' 4523' *,94' 45,' 1846' &(;' 7,),' &; : 844,;' A6' 45,' *),(48(,3' 4 ' 45,

W ' # ' ' ' ' '

@ ' =) 1*& : &48 (' 7 ,)' ,845,)' ' ,)6' *;')' ' ,)6
8(98) : ')' 9)' 3 : ,'),&3 (')' 45,)' 7 ,)' : , : A,)3' 9' 45,'
4],38,?,;'1 : : 2(846'&*4 ?,45,)' 23,*,33' 9)'45,' =2)= 3,3' 9'
; ,9,(,,')'),3834&(,,' 5,' 83&(3' 7 ,),'8(' 9&,4' (*6' ?,448(?'
)8;' 9' 45,8)' 23,*,33' : 2453' 75815' 7&3' &' : 34' 8 : =)4&(4'
&;'&(4&?,' 9)' &' ,846' 2(;,)' 3215' 18)12 : 34&(1,3' 4'
&' : &(' *,94' 45,' 1846' 75 ' 1 2*;' A,' 9' &(6' 23,' 8(' 84M &(;'
45,' *),(48(,3' =,)1,8',;' 45&4' 45,6' 5&;' : &;,' 9 *3' 9'
45, : 3,*',3

215' &A 24' 45,' 3& : ,' 48 : , ' 4 ' &' 4, : =,34' ;83=,)3,;' &(;'
8(' =&)4' ;,34) 6,;' 45,' 9*,,4' 75815' 5&;' A,,(' 34&48 (,;' 9*9
45,' : 245' 9' 45,')(' 9)' 45,' =),',(48 (' 9' 45,' 8(4) .'
;2148 (' 9'9 ;' 8(4 ' 83&M &(;' 45,' 1 (3,D2,(1,' '&3' 45&4' &'
*&)?,' 32==*6' 9' ?)&8(' 3,(4' A6' 45,' B,(,3,' 45,' 2115,3,'
&(;' 45,' 8,(,3,'),&15,;' 45,' A,38,?,;' 1846' 8(' 3&9,46

(;' 83&' 7&3' &3' 9&)' 9) :' A,8(?' 32A;2,;' &3' ,')

24' *),(1,' &*3 ' 7&3' &3' 9&)' &3' ,',)' 9) :' 5&'8(?' 45,'
*,&34' 8;,&' 9' &A&(; (8(?' 45,' &44, : =4' 45&4' 5&;' 1 34' 5,)' 3 '
: &(6' 6,&)3' 9' 34)2??*,' &(;' 3 ' : &(6' :)48968(?' 9&8*2),3'
5,' 58),;' 9),35' 1&=4&8(3 L &**' 45,' F' &'&8*&A*,' 4&*,(4' G' 9' 45,'
;&6 L C ,33,)' ,)12*,3' ,(48' ?*8 ' 9' * ?(&' ,33,)'
B8&(' & * ' &?*8 (8' 9' ,)2?8&' 3 : ,' (A*,' ?,(4*, : ,(' 9'
45,' 23,' 9' * ((&' &(;' 45,)3' 9' 45,' &',**8' ,)6'
1 34*6' 45,6' 7,),' 45,3,' 3 ',),8?(' 58),*8(?' 3 *;8,)3' &(;'
?)8,' 23' 7,),' 45,' A2)45,(3' 75815' 45,' ?) &(8(?' 1848>,(3'
5&;' 4 ' ,(;2),' 4 ' =) '8;,' 45,' 92(;3' (,,;,;' 9)' 3&4839 68(?'
45,8)' ;,:&(;3' 9' (*6' 45,6' 1 2*;' A,' 4)234,; L 45,3,' (A*,'
98?548(?' :,(L (4' 4 ' 3,**' 45,8)' ,: =* 6,)3Q 9' (*6' 45,6'
7 2*;' A24' 5 (,34*6',&)(' 45,' 3=*,(;8;' 7 &?,3' 45&4' 7,),' =&8;'
45, : Q 24' 45,' ,O=,)8,(1,' 9' 45,' : : (7,&*45' 5&;'
A,,(' 2(9)42(&4,' 8(' 4583'),3=,14' 5,6' 5&;' A,,(' 145,'
'8148 : 3' 9' 3 ' : &(6' 1) 33,3' ,4' 75&4' 1 2*;' 45,6' ; b'
)' 45,' ;&63 75,(' 45,' 34 24' *,&45,)(.H,8R@8(,;' A2)?5,)3' 9'
=*),(1,' : &(&?,;' 45,' *,;?,)' 7845' (,' 5&(;' &(;' 45,' 37);'
7845' 45,' 45,)' 7,),' 9&)' 9&)' 99' 8(' 45,' ;8 :' =&34 L ? (,

! #' ' L

(,',)'4 '),42)('Q 5,),' 7&3' (458(?' ,*3,' 9)' 84' A24' 4 ' =&6' 7,**' &(;' 58),' 45,' F'A,34' &'&8*&A*,' 4&*,(4 G

24' 2(;,)' 45,' =),3,(4' 18)12 : 34&(1,3' 9' 45,' : : (< 7,&*45' 45,),' 7&3' 4583' &;;848 (&*' ;899812*46'8(' 45,' : &44,)' 8 ,3,' (A*,' 1&=4&8(3' 45,' 46)&(4' 3 ',),8?(3' 9' (,8?5A 2)< 8(?' 1848,3' 5&;' (&42)&**6' :),' 36 : =&456' 7845' 45,' ,O8*,;' =),4,(;,)3' 45,' ,;818' 45&(' 7845' 45,' 9),,' 1848>,(3' 5,6' 7 2*;'&(6' 9'45, :' 5&',' : 215' =),9,)),;' 3,,8(?' &4' *),(1,' &'? ',)(: ,(4' 9'45,8)' 7(' 3)4' 4 ' (,' 75815' 7&3' ,33,(48&**6'),' *248 (&86' &(;' 7&3' *8@,*6' 4 ' A,' &*7&63' &' ;&(?,) 23' ,O&: =*,' 89' (4' &(' &148',' =) ' @,)' 9' 3,;848 (' 8(' 45,8)' 7(' 1848,3

523' 84' 42)(,;' 24' 45&4' B8&(' & * ' &?*8 (8' 9' ,)2?8&' ;,3,)4,;' 23' &*4 ?,45,)' &(;' =,(*6' ;,1*&),;' 58 : 3,*9' 45,' 32==)4,)' 9' 45,' ,;818Q)' 84' 83' (4' 4 ' A,' 8 : &?8(,;' 45&4' 45,' ;,&45' 9' 8,4) L C=) '8;,(48&*' A*,338(?' &3' 84' 7&3' L =24' &(' ,(;' 4 ' 45,' ;&(?,)3' 9) :' 45&4' 3 2)1,' 5,),' 7,),' 45,)' 5,&;3' 4 '45,'56;)&' 5,),' 7&3' B82*8&(' (7' 1&**,;' 45,' 2,' ;,' ,: 2)3' &(;' 7)3,' 348**' 45,),' '&3 45,' &);8(&*' B8 '&((8' &(' &148',' &A*,' ;&(?,) 23' :&(' 7845' 45,' &=&*' 48&)&' &3' 7,'@(7' 2(;,)' 583' &);8(&*P3' =2)=*,

5,' 55R(?' 4 ' 9' 45,3,' 1&=4&8(3' 7&3' A6' (' :,&(3' &' 38 : =*,' : &44,)' A24' 7&3' 8(9*2,(1,;' A6' &' 5 34' 9' 1 (< 38;,)&48 (3' 75815' 7,),' A24' 4 ' 7,**' 1&*12*&4,;' 4 ' A),,;' H,&* 238,3' &(;' 323=818 (3' &4' 5 : ,

F' 5,3,' * (2&3Q 0 5&4' (,,;' 5&',' 7,' 4 ' 58),' 45,' * ((&3'b 0 56' (4')&45,)' 89' ,33,)')1 *,' 83' (4' 32998< 18,(4' 4&@,' 45,' ~)15,3,';8' &(4 '&' 45,' (A*,' B (>&?&'b ,' 83' 4 ' A,' 5&;ML C(&6' 7&3' 5,),' 8(' 45,' 1846' * @8(?' 24' 9)' &'H A' A24' 45,' 45,)' ;&6'Q G

F' 6'Q 6 2' : 234' &3@' ,33,)' B (9&* (8,),' 45&4' 8;' 6 2' (,',)' 5,&)' 9' 583' 7)358=P3' A) 45,)' 45,' &);8(&*'b G' 3(,,)3' 45,' 45,)' 4&*@,)' 8(' &' 34),,4.1)(,)' ;8&* ?2,

F' 0 56' 75&4' 5&3' 45,' &);8(&*' ;,)8(8' 4 ' ;' 8(' 45,Q : &44,)'b G

2)45,)‘45,3,‘3&:,‘=)2;,(4‘1848>,(3‘),:,:A,),;‘45,‘9&4,‘ ?
9‘45,‘&):6‘9‘83&‘2(;,)‘&*‘84,**8‘4‘7&3‘&@,&;6‘
45,‘*&44,)‘,(;‘9‘2?234‘,=4,:A,)‘83‘45,‘7)34‘:(45‘
8(‘&**‘45,‘6,&)‘9)‘45,‘:&*&)8&‘1(;‘45,6‘;),&;,;‘(4‘
2(),&3(&A*6‘4‘,O=3,‘&(45,)‘&):6‘4‘45,‘,99,143‘9‘
1&:=8(?‘8(‘&242:(‘8(‘45,‘:&)35,3‘&)2(;‘83&
;,)8(8‘57,',)‘72*;‘*834,(‘4‘(‘:83?8'8(?3‘‘&‘
:,33&?,‘9):‘(3&*'8‘F45,‘B),&4‘&=4&8(G‘&33,)48(?‘
45&4‘84‘5&;‘A,,(‘&(‘2(;,)34&(;8(?‘A,47,,(‘58:‘&(;‘45,‘
&);8(&*‘;,)8(8‘3=,&@8(?‘(‘A,5&*9‘9‘45,‘1846‘45&4‘
83&‘35 2*;‘(4‘A,‘&33&2*4,;‘45&4‘6,&)‘&(;‘45),&4,(8(?‘
45&4‘8(‘,8?54‘;&63‘5,‘72*;‘45)7‘&‘9)1,‘9‘583‘7(‘4)=3‘
8(4‘45&4‘1846‘45,‘B(9&*(8,),‘),=*8,;‘7845‘&‘3:8*,‘45&4‘8(‘
,33‘45&(‘,8?54‘;&63‘83&‘72;‘A,‘45,8)3‘;,)8(8‘5&;C‘
583‘7&6‘&(;‘,33,)‘)1*,‘7&3‘;,3=&415,;‘4‘*,&;‘45,‘
&33&2*4‘5,‘A*&1@‘8)?8(‘7&3‘(1,‘:),‘A)2?54‘8(4‘
*),(1,‘9):‘5,)‘5:,‘&4‘:=)2(,4&M &(;‘&**‘*),(1,‘
7845‘45,‘,O1,=48(‘9‘45,‘9,7‘1&248 23‘&(;‘=)2;,(4‘?&8(.‘
3&6,)3‘7&3‘8(‘58?5‘5=,‘9‘45,‘),32*4

5&4‘),32*4‘7&3‘',)6‘D281@*6‘@(7(‘5,‘&)48**,)6‘
:34‘3211,3392**6‘:&;,‘&‘A),&15‘8(‘45,‘7&**3‘9‘:&(6‘6&);3‘
8(‘,O4,(4‘5,‘A),&15‘7&3‘=)&1481&A*,‘,(2?5M &(;‘
(458(?‘),:&8(,;‘A24‘4‘‘:&)15‘4‘45,‘&33&2*4‘24‘4583‘
45,‘4&*8&(‘8(9&(4)6‘9*&4*6‘),923,;‘4‘;‘4‘45,‘3&:,‘
48:,‘45,‘A;6‘9‘=&(835‘4)=3‘3,(4‘8(‘&11);&(1,‘7845‘
45,‘45),&4‘9(3&*'8‘94==)&15,;M &(;‘,33,)‘)1*,‘
,(48'?*8‘H2;?,;‘84‘(,1,33&)6‘4‘7845;)&7‘583‘&):6‘&(;‘
&A&(;(‘45,‘&44,:=4

(;‘4523‘(1,‘&?&8(‘*),(1,‘7&3‘;83&==8(4,;‘&(;‘
45,‘=),6‘35,‘3‘&);,(4*6‘;,38),;‘4‘3,8>,‘5&;‘,31&=,;‘9):‘
5,)‘5&(;‘**‘45,‘,O=,(3,‘35,‘5&;‘2(;,)?(,‘7&3‘45)7(‘
&7&6‘**‘5,)‘4*,)&(1,‘9‘45,‘A&;‘8(4,)(&*?',)(:,(4‘
9‘45,‘B(9&*(8,),‘8(‘45,‘5=,‘45&4‘5,‘72*;‘1(4)8',‘45,‘
:,&(3‘9‘),1',)8(?‘83&‘5&;‘A,,(‘8(‘'&8(‘5,‘A*&1@‘
8)?8(‘5,)3,*9‘75‘5&;‘(7‘4781,‘A,,(‘A)2?54‘24

W Y &?&8(34' 83&' 3,, : ,;' = 7,)*,33' 4 ' D2,**' 45 3,' ;,4,34,;' &(;' : &*8?(&(4'),A,*3

48**' J *),(1,' 7&3' &3' 9&)' &3' ,',)' 9) :' 5&'8(?' 45,' *,&34' 8(4,(48 (' 9' ?8'8(?' 2=' 5,)' ,(4,)=)83,' 24' 45,' ?),&4' ;83< &== 8(4:,(4' &)838(?' 9) :' 4583' ;83?)&1,92*' 9&8*2),' 329981,;' 4 ' =),',(4' 45,' : : (7,&*45' 9) :' :&@8(?' &(6' 9),35' &44,:=4' 9)' 3 :,' *844*,' 48 :,' 4 ' 1 :,' (' 45,' (,O4' 6,&)' (' 4) =3' 7,),' 3,(4' &?&8(34' 83&' ( )' 7,),' 45,' 1) =3' 9' 45,' 83&('4,))84)6')&'&?,;' (' 45,' 1 (4)&)6' 45,' 83&(3' 4&@8(?' 5,&)4' &4' 45,' 38?(&*' 9&8*2),' 9' 45,8)' ,(,:6' 3&**8,;' 9)45'9) :'45,8)' 7&**3' &(;' ;8;' :215' :8315 8,9' 8('45,' &*' ;8' 8,' *,' 7845 24' =) ' @8(?' &(6' :',:,(4' (' 45,' =&)4' 9' 45,' *D9,(48(,3' A,6 (;' 75&4' 7&3' (,1,33&)6' 9)' 45,' ;,9,(1,' 9' 45,8)' 4,))84)6' &?&8(34' 8('&38 (J

,&(758*,' 18)12:34&(1,3' 5&;' *,;' 4 ' 45,' :&@8(?' 9' =,&1,' A,47,,(')&(1,' &(;' =&8(' 45,' 4,):3' 9' 75815' 7,),' 3,44*,;' A6' 45,' 4),&46' 9' * 83' 38?(,;' 8(' 45,' 14 A,)' 9' " ' (;' (,' 9' 45,'),32*43' 9' 4583' 7&3' 45&4' 84' A,1&:,' = 338A*,' 4 ' 4),&4' 7845' A 45' 45 3,' 3 ',),8?(3' 1 (H 8(4*6'),3=,148(?' 45,'),34)&48 (' 9' 83&' 4 ' 45,' *),(48(,' : : (7,&*45' 845,)4 ' (' 3215' &))&(?,:,(4' 5&;' A,,(' = 338A*,' A,1&23,' 84' 5&;' A,,(' 3299818,(4' 9)' (,' 9' 45,3,')8'&*' 3 ',),8?(3' 4 ' 35 7' 9&' 2)' 4 ' *),(1,' 4 ' 3,12),' 4 ' 83&' 45,' &33834&(1,' 9' 45,' 45,)' 5,' 6,&)' "N' 7&3' :&8(*6' 1 (32:,;' 8(' (,? < 48&48 (3' 4 ' 4583' ,(;' ,33,(?,)3' 1&:,' 4 ' *),(1,' 9) :' A 45' 45,' : (&)153' &3@8(?' 75,45,)' 84' 7&3' 45,' 8(4,(48 (' 9' 45,' *),(48(,3' 4 ' =2)32,' 45,8)' &44&1@3' &?&8(34' 83&' 45&4' 6,&)' 5,'),(15' @8(?' 5&;' &3@,;' 45,' ,=2A*81' 4 ' 3,(;' 58:' &' 32==*6' 9' 4) =3' 9)' &=2)= 3,' 9' 583' 7(' 75815' 45,' 1846' 5&;'),923,;' 4 ' ; ' &**,?8(?' 45&4' 45,6' (,,;,;' &**' 45,8)' 9)1,' 9)' 45,' =) 3,1248 (' 9' 45,' 7&)' &?&8(34' 83&' (;' 84' 7&3' 45 2?54' 45&4' 283' 7 2*;' 5&',' 3,(4' &' ',)6' &(?)6' :,33&?,' 5,' =&(8&);' 4 ' 5&;' 8(' =),'8 23' 6,&)3' &A3 .

*24,*6' 9)A8; ; , (' 45,' *), (48(,3' 4 ' : *,34' 83&' (' =&8(' 9' 98(; 8(?' 58 : ' 45,),' &3' 45,8)' , (, : 6 ' 24' (7' 583' 4 (,' 7&3' &*4,), ; ' &(;' 45&4' 9' 45,'), (15' 3 ',),8?(' 8(34,&;' 9' A,8(?' 3215' &3' 5&;' A, , (' &(4818=&4, ; ' 7&3 ' F D284,' 37, ,4 G J' J (' 35)4 ' 84' 7&3' ',)6' =*&8(' 4 ' 45,' 35), 7 ;' *), (48(,' =,)1, =48 (' 45&4' 45, 6' 5&;' (*6' 4 ' 99,)' &(' &11, =4&A*,' F' 1 (38; ,)&48 ('G' 4 ' ,845,)' : (&)15' 4 ' A,' &** 7, ;' 4 ' 7)@' 45,8)' 78**' &?&8(34' 45,8)' , (, : 6 ' (' 9&14' 84' 5&;' A, , (' &?), , ;' A, 47, , (' 45,' (7'), 1 (18*, ;' @8(?3' 45&4' 83&' 35 2*;' A,'), 34), ;' 4 ' *), (1, ' 24' 9' 1 2)3,' F' 45,' 34' 5)8348&(G' &(;' 583' A) 45,)' F' 45,' 34' &45 *81 G' 7,),' (4' 4 ' A,' , O=, 14, ;' 4 ' : 833' 3 '9&' 2)< &A*,' &(;' *, ?848 : &4,' &(' ==)42(846' 9' ; , : &(;8(?' &' *844*,' F' ?)&48981&48 ('G' 8('), 42)(' 9)' 45,8)' 9&' 2)3 ' *), (1,' 5&;' (, ',)' 8(' &** 45,' 1 2)3,' 9' 5,)' 5834)6' 5&;' &(6' ; ,&*8(?3' 9' &(6' 3)4' 7845' =)8(1,' = =,')' = 4, (4&4,' 7845 24' A,8(?' 1&**, ;' (' 4 ' =&6' *&)?, *6' 9)' 45,' 5 (2)' 5,' 5&;' 8(' 45,' ?), &4' : &H)846' 9' 1&3, 3' 35 ', **, ;' 24' 5,)' ? *;' 9*)8(3' &(;' ;21&43' 7845 24' ?, 448(?' &(6' 1 (38; ,)&48 (' 8('), 42)(' 3&', ' 45,' 5 (2)' 9' A,8(?' =&6 : &34,)' 4 ' 3215' (A*,' =,)3 (&?, 3 L ' &(' 5 (2)' 75815' 7&3 ' 84' : 234' A,' &; : 844, ; ' :),' 58?5*6' &==), 18&4, ;' 8(' 45,' ; &63' 75, (' 45,' 9*)8(3' &(;' 45,' ; 21&43' 7,),' 9* 78(?' 8(4 ' *), (1,' 8(' ?), &4,)' &A2(; &(1,' 45&(' 7&3' 45,' 1&3,' (7 ' 48**' 75&4' 7,),' &' 52(;), ;' 45 23&(;' ; 21&43' 4 ' 45,' F' 34' 5)8348&('G' @8(?' 9')&(1, ' &(;' 98946' 45 23&(;' 4 ' 45,' F 34' &45 *81G' @8(?' 9' =&8(' 9)' 45,'), 1 ',)6' 9' 83&b' 5,),' 7&3' (4' &' 5, &' 8*6.4&O, ;' *), (48(,' 75 ' 7 2*;' 5&', ' 5, 384&4, ;' &(' 8(34&(4' 4 ' =2)15&3,' 75&4' 7&3' 3 ' : 215' * (?, ;' 9)' &4' 3215' &' =)81,

(' 98(,' 84' 7&3' &?), , ;' (' &** 38; , 3 L (4' 7845 24' 3 : ,' ; 2A4' &(;' 9, &)3' 8(' 45,' 1 2(18*3' 9' *), (1,' *, 34' 45,' F' q| 34' &45 *81' G' 35 2*;' A,' 99, (; , ;' &4' ?, 448(?' (*6' 5&*9' 45,' F' ?)&48981&48 ('G' ; , 348(, ;' 9)' 583' F' 34' 5)8348&('G' A) 45,)' L 45&4' 8(' 1 (38; ,)&48 (' 9' 45,' =&6 : , (4' 9' 45 3,' 32 : 3' 83&

D

35 2*;' A,' 1 (;, : (,;' 4 '),42)2' 4 ' 45,' 6 @,' 9' *),(1,' 5,' A&)?&8(' 7&3' 45&4' 45,' *),(48(,3' 35 2*;' &11 : =*835' 45,' 32AH,148 (' 9'45,'),A,*' 1846' 78458(' &' 6,&)' 9) : ' 45,' ;&4,' 9' 45,' &?),, : ,(4' 24' 283' =) : 83,; ' 45&4' 89' 45,' : < : (7,&*45' 35 2*;' 98(;' 843,*9' 2(&A*,' 4 ' =,)9) : ' 4583' =&)4' 9' 45,' 348=2*&48 (' 5,' 7 2*;' 58 : 3,*9' *,(;' &' 5,*=8(?' 5&(; ,',)45,*,33' 45,),' 7,),' 348**' ; 2A43' &(;' : 215' &(O8,46' (' 45,' 32AH,14'8(' *),(1,' 4' 7&3' 9,*4' 45&4 ' F' 1 (38;,)8(?' 45,' (&4 : .,' 9' 45,'),(15' =, =*,' 75 **6' 9&845*,33' &(;' &=4' 4 '),923,' 4 ' A,' A 2(;' A6' 45,8)' 7);3' &3' 45,6' &), G J' 45,' 24 : 34' 1&248 (' 7&3' (,1,33&)6 ' *,34' 45,'),32*4' 35 2*;' A,' 45&4')&(1,' F 7 2*;' (4'),34),' 83&' 4 ' 23 ' &(;' 7 2*;' (,',)45,*,33 ' A6' 35299*8(?' &(;' A6' 9)1,' ,O4)4' 9) : ' 23' 4583' 32 : ' 9' : (,6 G Q' 4' 7&3' 2)?,; ' 5 7,',) ' 45&4' 84' 7&3' A24' 4 ' 1*,&)' 45&4' 7845 24' 45,' 1 (3,(4' 9' 45,3,' 47 ' @8(?3' 45,),' 7&3' 3 : &**' 15&(1,' 9' 3,,8(?' 83&' (1,' &?&8(' 32AH,14,;' 4 ' 45,' ; : 8(8 (' 9' 45,' : : (7,&*45ML 45&4' 45 2?5' 45,' 32 : ' [9 : (,6' 7&3' *&)?,' 84' 7 2*;' A,' &A2(;&(4*6' 7,**' 3=,(4' 89' 45,' AH,14' 7,),' &44&8(,;ML &(;' 45&4' 89' 84' 7,),' (4' &44&8(,;' &(;' 89' 84' 7,),' 45,' 78**' 9' 45,' 47 ' @8(?3' 4 ' =*2(;,)' *),(1,' 9' 3215' &' 32 : ' 1 (4)&)6' 4 ' &**')8?54' &(;' H23481,' 45,6' 7 2*;' (4' 9&8*' 4 ' 98(;' 3 : ,' : ,&(3' 9' ; 8(?' 3 ' ,',(' 89' 45,' =) < = 3,;' &))&(?,: ,(4' 7,),' (4' : &1*,

4' 7&3' 98(&**6' ;,4,) : 8(,;' : &8(*6' A6' 45,' 8(9*2,(1,' 9' ;,)8(8' 45,' B (9&* (8,),' 75 ' 3,, : 3' 4 ' 5&',' A,,(' 8(1*8(,;' 4 ' 1&))6' : &44,)3' 7845')&45,)' &' 58?5' 5&(;' &(;' 3 : ,48 : ,3' (4' D284,' 1 (3484248 (&**6' [45 2?5' 45,),' 83' (' ,'8;,(1,' 9' 583' 5&'8(?' 5&;' &(6' 45,)' ,(;' 8(' '8,7' 45&(' 75&4' 5,' ;,, : ,;' 45,' 8(4,),34' 9' 45,' : : (7,&*45]' 45&4' 45,' =) = 3,;' &))&(?,: ,(4' 35 2*;' A,' 98(&**6' 1 (1*2;,;' 24' 45,),' 7,),' 348**' ;899812*48,3' 8(' 45,' 7&6' 211&' 75815' A 2(;' A6' 48,3' 9' 1 : : (' B2,*=583 : ' 5&;' 8(' *;' ;&63' A,,(' 8(' 48 : ,3' 9

4) 2A*,' &3' 7,**' &3' 8(' 48 : ,3' 9' =) 3=,)846' 45,'98) :' 9)8,(;' &(;' &**6' 9')8),(1,' 5&;' 35 7(' 5,)3,*9' &(8 : &4,;' A6' &' ',)6' ;899,),(4' 9,,*8(?' ,',)' 38(1,' *),(1,'5&;' = 33,33,;' 5,)3,*9' 9'45,')815' &(;' A,&24892*' &*' ;8' 81' *, L C45,'&**,6' 75815' 34),415,3'9) :' 211&'4 7&);3' 834 8&' &(;' 83' 1* 3,;' &A 24' 98',' :8*,3' A,9),' 84'),&15,3' 45,' *&44,)' 1846' A6' &' 58?5'9)4.' 1) 7(,;')8;?,' 1&**,;' ',)6' &==) =)8&4,*6' ,))&'&**,' 5,' *844*,' 1846' 9' ,318&' 7845' 843' 8(;234)8 23' 38*@.=) ;218(?' = =2*&48 (' &(;' ?&);,(.*8@,' 4,))84)6' 83' 3842&4,;' 8(' 45,' :8;34' 9' 4583' * ',*6' '&*,' 45,' ?&);,(' 9' 231&(6M &(;' 84' 9):,;' ?, ?)&=581&**6' &3' 7,**' &3' = *8481&**6' 45,' A,34' =&)4' 9'45,'4,))84)6' 9'45,'*844*,'),=2A*81' 9' 211&' 24'84'7&3' (7' =&)4' 9'45,' 78;,.3=),&;' ; :8(8 (' 9'45,' ?),&4',(< 1) &158(?' : : (7,&*45' &(;' 211&'1 2*;' (4'9)?,4')' 9)?8',' 45,'8(H2)6' 2)8(?'45,'75 *,' 9'45,'* (?' 34)2??*,' A,47,,(' 83&' &(;' *),(1,' 45,),9),' 211&' 5&;' (,',)' 1,&3,;' :),')'*,33' =,(*6')' :),')'*,33' 1*&(;,348(,*6'4' 32==*6' 83&' 7845' 9 ;' &(;' 4523' 9)234)&4,' 45,' ,99)43' 9' *),(1,

4' 7&3' ;,4,):8(,;' 45,),9),' 45&4' 211&' 35 2*;' A,J' &44&1@,;' A6' &(' &33&2*4' (' 8&' ,??8 M &(;'45,'=*&(' 7&3' 1&))8,;' 24' 3' '8?) 23*6' &(;' 3' : 215' :8315 8,9' 7&3' ; (,' 45&4' 211&' &4' (1,'3&7'45,' (,1,33846' 9'1 :8(?' 4' 4,):3' 7845' 5,)' = 7,)92*' (,8?5A 2)' 5,'7:3' :8(;,;' 5 7,',)' 4' ?,4'3 :,458(?'8('),42)(' 9)'45,' ,(?&?,:,(4' 4' 3,(;'(' :),' 9 ;' 8(4' 83&' 75815' *),(1,'7&3' 3 .' &(O8 23' 4' A4&8(' 9) :' 5,)M 3' ;,:&(;,;' 45,' *844*,' 4 7(' 9' 8,4)&' &(4&' 45,' ?, ?)&=581&*' = 3848 (' 9' 75815' &338?(,;' 45,' ; :8(8 (' 9'84' 4' 211&')&45,)'45&(' 4' *),(1,'&(;' 45,' &(18,(4' &(;' (7')28(23' 9)4' 9' 24) (,'&3' 45,'=)81,' 9' 5,)'&;5,),(1,'4' 45,' '8,73' 9'45,' ,=2A*81' (?' ;,A&4,' 4 @' =*&1,' (' 45,' &(37,)'4' A,' :&;,'4' 45,3,' ;,:&(;3' M A24' 45,6'7,),' ,',(42&**6' &11,;,;' 4' &(;' &' 4),&46' 7845' 211&'1 (1*2;,; J

" ,',)45,*,33' 84' 3 (' A,1&:,',',',',(4' 45&4' 9 ;' 7&3' (4' 75 **6',01*2;,;' 9) :' 83&',',(' 6,4' 5,' 2(5&==6' 83&(3' 4 7,),' &*: 34' 34&)',;' A24' 84' 7&3' 1*,&)' 45&4' 45,6'),1,8',;' 9 ;' 3 :,5 7 ' 9)' 45,6' 7,),' (4' D284,' 34&)',;M &(;' 2(48*' 45,6' 7,),' C ' 84' 3,,:,;' 5 =,*,33' 4 ' ,O=,14' 45,8)' 32A< :8338 (

5,),' 7,),' &*3 ' A24' 4 ' ,'8;,(4*6' 45,)' 1&23,3'8(' =,)&< 48 (' 75815' (4' (*6'5&;' 45,' ,99,14' 9' ,(&A*8(?' 45,' 83&(3' 4 ' 5 *;' 24' A24' 75815' ?&',')83,' 4 ' &' '&)8,46' 9' H,&* 238,3' &(?)6'=&338 (3'&(;';&(?,) 23'),1)8:8(&48 (3'&4'5 :,' 9' 1 2)3,' 45,' =)81,' 9' ?)&8(' 8(' 83&' 7&3',( ):' 23' &)8 23' *),(48(,' 1848>,(3' 7,),' ,O4,(38',' *&(; 7(,)3'8(' 45,')815' 1)(.=) ;218(?';834)814'8(' 45,' * 7,)' &*;&)(' &) 2(;' 45&4' 1846M &(;' 45,),' 7&3'),&3 (' 4 ' 323=,14 L &(;' 3 :,75&4' :),' 45&(' 323=,14 L 45&4' 45,' *234' 9' =)8'&4,' ?&8(' 5&;' ;,34) 6,;' 45,' 3,(48:,(4' 9' =&4)8 483:' 8(' 32(;)6' 9' 45,3,' :,(' 3 ' 1 :=*,4,*6'&(;'35&:,92**6' 45&4' 45,' 1)(' ?) 7(' (' 458,8)' *&(;' 9 2(;' 843' 7&6':),')' *,33' 8(;8),14*6'8(4 ' 45,' 1846' 9' 83&' :,' 9' 45,' *A8>>8' 7,),' 323=,14,;' 9' A,8(?' ,(?&?,;' 8(' 4583' 58?5*6' *21)&48',' A24' 348**' (8),' 58?5*6' 4),&3 (&A*,' 4)&9981M &(;' 75,(' 84' 7&3' 7583=,),;' 45&4' &' 3,1),4' =&)4(,)358=' ,O834,;' A,47,,(' 45,3,' *A8>>8' &(;' ,33,)' : :&3 ' 45,' (,=5,7' 9' B (9&* (8,),' J' ;,)8(8 ' 45,' 8(;8?(&48 (' &(;' &(?,)' 75815' &) 3,' 8(' *),(1,' :&6' ,&38*6' A,' 8:&?8(,;' ' &3' 7,**' &3' 45,' ;&(?,) 23' ,O184,:,(4' 9' =&)46'9,,*8(?' 8(' &' 1 : :2(846'8(' 75815'45,' &148',' =&)4818< =&48 (' 9' ,',)6'=) :8(,(4'1848>,('8('45,'? ',),(:,(4'1&23,;' 45,' &99&8)3' 9' =)8'&4,' *89,' &(;' 45,' =2A*81'8(4,),343' 9' 45,' : : (7,&*45'1 (48(2&**6'4 ' 8(4,):8(?*,' &(;' &3' 84' 7,),' ',)*&=' ,&15' 45,)

4' A,1&:,' (,1,33&)6' 45,),9),' 4 ' 1* 3,' 45,' A* 1@&;,' &) 2(;' 83&' :),' 34)814*6' 0 845' 4583' '8,7' 45,' 9)1,3' &) 2(;' 45&4' 1846' 7,),' ;8'8;,;' 8(4 ' 45),,' A ;8,3'&(;'1,).

4&8(' 7)@3' 7,),' 1 (34)214,;' ('45,')8',)'&==) &15,3'A,* 7' I
83&' 75815' 84' 7&3' 5 =,;' 7 2*;' ,99,142&**6' =),',(4' 45,' W X
8(4) ;2148 (' A9' 9 ;' 8(4 ' 45,' =*&1,' ,O1,=4 ' 3&63' B2811 8&)<
;8(8 J' 8(' 3215' ',)6' 3 : &**' D2&(4848,3' &3' 7 2*;' (4' 329981,' 4 '
@,,=' 45,' 8(5&A84&(43' &*8',' 9)' :&(6' ;&63M L &'),3,)'&48 ('
75815' 12)8 23*6' 8**234)&4,3' 45,' 8 : =,)9,148 (' 9' 45,' :,&(3'
=) '8;,;' 9)'&'=2)= 3,' 3 '&44&8(&A*,' 8(' =,)9,148 (' &11);8(?'
4 ' 45,' 8;,&3' 9' 2)';&63

5,' :,&(3' 4523' 3 ' ,*&A)&4,*6' =),=&),;' 9)' 34&)'8(?'
2(5&==6' 83&' 8(4 ' 32A : 8338 (' 3,,:' 5 7,',)' &4' *&34' 4 '
5&',' A,,(' ,99,142&*' ('4)24*8' 4 ' 75&4,',)' D2&)4,)' 9' 45,'
= *8481&*' 3@6' 45,')28(,;' &(;' 34&)'8(?' 1848>,(3' 1&34' 45,8)'
;,3=&8)8(?' ,6,3' 45,' =) 3=,14' 7&3' ,D2&**6' 5 =,*,33' 5,'
&11);' A,47,,(')&(1,' &(;' =&8(' 5&;' A,,(' 9&4&*' 4 ' 45,8)'
5 =,3' 4' 7&3' (7' 1*,&)' 45&4' 84' ;8;' (4' :&@,' =&)4' 9' 45,'
= *816' 9' 45,3,' = 4,(4&4,3' 4 ' 4&@,' 45,' A)8A,3' 9' *),(1,'
9)' (458(?' (' 4583' 11&38 (M' A24' 45&4' 84' 7&3' 45,'),&*'
8(4,(48 (' 9' A 45' 9' 45,:' 45&4' 83&' 35 2*;'),42)(' 4 ' 45,'
1)2,*' 6 @,' 9' 5,)' 46)&(43' ' 3,1 (;' 1 (',(48 (' A,47,,('
45,' 47 ' : 5&)153' 8(' 45,',&)*6' =&)4' 9' 4583' 6,&)' " ' 5&;'
),: ',;' &**' ; 2A4' (' 4583' 32AH,14' 211&' 75815' 5&;' 3 '
* (?' 9 2(;' 45,' :,&(3' 9',(&A*8(?' 45,:' 4 ' 5 *;' 24' 7&3'
(7' 1 (34)&8(,;' A6' 45,' = 7,)' 9' 45,',(,:6' 4 ' *,&',' 45,:'
4 ' 45,8)' 9&4,' 8,(&' 7&3' 8(' &' 38 : 8*&)' 8 : = 338A8*846' 9' *,(;<
8(?' 45,:' &(6' 92)45,)' &8;' 5,(' &3' 232&*' 8(' 3215' 1&3,3'
;899,),(1,3' 78458(' 45,' 7&**3' A,?&(' 4 ' &;;' 4 ' 45,8)' ;8998<
12*48,3')' 9894,,('6,&)3' 38(1,' 45,' 1 :8(?' 9' 5&)*,3' '
5&;'),34),;' 45,:' 4 ' 8(;,=,(;,(1,' 45,6' 5&;' :&8(4&8(,;'
45,' 2(,D2&*' 34)2??*,' 7845' &' 1 2)&?,' &(;' 1 (34&(16' 75815'
&),' 45,' :,&32),' 9' 45,' 3299,)8(?3' 45,6' 5&;' ,(;2),;' 2(;,)'
45,' *),(48(,' ;,3= 483 : ')' 9894,,(' 6,&)3' 45,' 5&)',343'
9' 45,8)' ,' " '*' &(;' *&(;. 7(,)3' 5&;' A,,(')245*,33*6'
;,34) 6,;' &*: 34' ,',)6' 6,&)'M &(;' 45,6' 5&;' A,,(' *8'8(?'8(

' 45,' ?),&4,34' 34)&843' &(;' ;899812*48,3' 24' 45,6' 5&;' A,,(' 3234&8(,;' A6' 5 =,' ;)&7(' (4' 2(),&3 (&A*6' 9) :' 45,' ?,< (,)&*' [= 3848 (' 9' &99&53' 8(' 4&*6' (;' 45&4' 5 =,' 5&;' (7' '&(835,;

4' *&34' ,8?54' &:A&33&;)3' 7,),' 3,(4' A6' 45,' 83&(3' 4 ' *),(1,' 4 ' 4),&4' 9)' 45,' 32)),(;,)' 9' 45,' 1846' 5,6' &))8',;' 45,),' (' 45,'#C5' 9' &6' " ' &(;' 7,),'* ;?,;' &4' 4' 8,) ' 15,)&??8 ' 7845' 34)814' =),1&248 (3' 9)' 45,' =),',(48 (' 9' &(6' 1 : :2(81&48 (' A,47,,(' 45,:' &(;' 45,' *),(48(,' 1848>,(3 J' e (?'I;8312338 (3'I,(32,;'' 9)' 45,' 83&(3' 34)2??*,;' 5&); 9)P ,):3' &3' *844*,' ==),338',' &3' :8?54' A,b' (;' *),(1,' 7&3' (' 45,' 75 *, (4' 8(1*8(,;' 4 ' A,' &3' 5&);' 7845' 45,:' &3' :8?54' A,' ,O=,14,;' 9) =8' 45,' 5&4),;' 9' 75815'3 ' :&(6',O=),338 (3' &),' 4 ' A,' 9 2(;' 8(' 45,' 1 (4,:=)&)6' 7)84,)3' 8)42,'83' ,&36' 4 ' 5&==6' 5,&)43' (;' 45,' *),(48(,3' 7,),' ',)6' 5&==6' 4 ' 98(;' 45,:3,*',3 &4' I' *&34' (' 45,' = 8(4' 9' &44&8(8(?' 45,' AH,14' 45,6' 5&;' 3 ' * (?' &(;' &);,(4*6' 38?5,;' 9)' 4' *&34' 84' 7&3' 98(&**6' &?),,;' 45&4' 45,' 1846' 35 2*;' A,' ;,*8',),;' 8(4 ' 45,' 5&(;3' 9' 45,' *),(< 48(,' :: 8338 (,)3M' &(;' 45&4' 92**' =&); (' &(;' &:(,346' 35 2*;' A,' &11);,;' 4 ' 83&' 9)' 5,)'),A,**8 (' &(;' &**' 4C4' 5&;' A,,(' ; (,' 8(' 32==)4' 9' 84')' 7&3' &(6'),3484248 (' 9' =,)3 (&*' =) =,)46' 4 ' A,' ;,:&(;,;' 8(' &(6' 1&3,' &)838(?' ' 24' 9' 45,' ,O=2*38 (' 9' 45,' *),(48(,3' 9894,,(' 6,&)3' &?

(' 45,' 45' 9' E2(,' " ' 45,' *),(48(,' :: 8338 (,)3' :&;,' 45,8)' 4)82:=5&*',(4)&(1,' 8(4 ' 83&' 4 ' 45,' 8(98(84,' H 6' 3&63' 45,' 5834)8&(Q' (4' (*6' 9' 45,' 75 *,' 1846' 9' *),(1,' A24' &*3 ' 9' 45,' = =2*&1,' 9' 83&' 75 3,' :83,)&A*6',:&18&4,;' &==,&)&(1,' 35 7,;' 5 7' 7,*1 :,' &(6' 15&(?,' :234' 5&',' A,1 :,' 4 ' 45,:' 75815'=24' &(',(;' 4 ' 45,' 4,))8A*,' 3299,)8(?' 45,6' 5&;' A,,(',(;2)8(?

(;' 4523' 98(&**6',(;,;' 45,' *&34' 34)2??*,' 9)' 8(;,=,(;< ,(1,' 9' 45 3,' =)=2;' 83&(3' 75 ' 5&;' 3 :,' 45),,' 1,(42)8,3

@8(?'4 '2(;,)4&@,'45&4',O=,;848 ('8(4 ' 4&*6'75815'),32*4,;' W !X
3 ';899,),(4*6'9) :'583',O=,14&48 (3'
5,'15&)&14,)' 9' =,'E2*823' L 9)'HM5&4'7&3'45,'484*,'
3,*,14,;'A6'45,'(,7' (4899L83'8(' 3'?`(`)&*' 24*8(,'329<
9818,(4*6'7,**'@(7('' 3&8(4*6':&('8(' 1 :=&)83 ('7845'
*,O&(;,)')?8&'C,'7&3' = 3848',*6'(' 7)3,'45&('45,'
45,)J'3 *;8,)')2*,94' &) 2(;' 58:' 75815' 9)' &' 9894,,(45.'
1,(42)6.' =,'83' 3&68(?' :215' E2;?,;'A6' &' :;,)('
34&(;&);'5,' :8838'H,'&;:844,;'&A 24' &3' 2(984' &' :&('9)
45`' 32=),:,' (48981&4,' 9' 5)834,(; :'&3' 1 2*;'7,**'A,'
15 3,(' B82*8&(' ;,**&' ',),'7&3'8(4,(;,;'A6'(&42),'
9)' &' 3 *;8,)' ,'7&3' &' A)&',' &148',' &(;' &A*,' (,' &(;'
(4J7845 24'3 :,' 9'45,'5 42,3'75815'A,* (?'4 '3215'&'
15&)&14,)' 24'45,'=2)=*,'=)8(1,3' 9'45,' 52)15'45 2?54'
45&4'5,'7&3'45,' :&(',,;,;'9)'45,' &=&16'M &(;'89'45,'
9894,,(45.1,(42)6' 52)15';,,:,;'45,' ; :8(8 (' 9'45 3,'
:&?(&' 1848,3' (*6'&3'8:=)4&(4'4 '45,'8(4,),343' 9'
5)8398&(846'&3'45,'(8(,4,,(45.1,(42)6' &=&16';,,:3'45,:'
=,)5&=3'45,'=)8(1,3' 9'45,' 52)15'7,),'(4'7) (?')'
45 3,'4,))84)8,3'&3'7,**'&3'45,'1848,3' 9' :A)8&'5&;'&**'&4'
45&4'48:,'4 'A,'7 ('9)' 4' ,4,)'A6'45,'9)1,' 9'&):3'
(;'9)'45,'&11 :=*835:,(4' 9'4583'84'1&((4'A,';,(8,;'
45&4' =,'E2*823' '7&3'45,')8?54':&('8('45,')8?54'=*&1,
24'84'7&3'2(9)42(&4,'9)' *),(1,'45&4'45,'8(4,),34' 9'
45,' 52)15'8(' 4583' :&44,)'1 8(18;,;'7845'45,'8(4,),343'
9'45,'),(15'@8(?' 45'45,' =,'&(;'45,'$8(?'9 2(;'
45,:3,*',3'8(' &' = 3848 ('8(' *'8(?',(:846'7845' ,(81,'
283'% ' 5&;'),&3 (' 4 '458(@'45&4'45,'5&2?546' ,(&4,'
38448(?'&: (?'45,'52(;),;'83*,3'7&3'&' ;&(?,)23'(,8?5<
A 2).'4 '583';2156' 9' 8*&('M &(;' =,'E2*823'7&3'7,**'
&7&),'45&4' ,(81,'7 2*;' == 3,'45,'&;;848 (' 4 '45,' 4&4,3'
9'45,' 52)15' 9'1848,3' ('75815'35,'7&3'1&348(?'&'1 ',4 23'
,6,' 5,)3,*9' 5,' = 7,)' 9' 45,' 8 (' 9' 4 ' &)@'5&;'
A,1 :,' 3 '?),&4'&(;'9&).),&158(?'45&4'45,' =&(835'$8(?'
9' &=*,3'&*3 '7&3'2(,&36'&4'84 '75,('458(@8(?' 9'583'* (?

*8(,' 9' ;)8&481' 3,&A &);' &(;' 45,' :&(6' 1848,3' 7845' 75815' 84' 83' 342;;,;' &O8:8*8&(' $8(?' 9'45,' :&(3' &*3 ' 75 ' 5&;' K),1,(4*6' :&;,' &' ;83&34) 23' =,&1,' 7845' ,(81,' 7&3' 78**8(?',(2?5' 4 ' A),&@' 84' 8(' 1 :=&(6' 7845' &**8,3' 75 3,' &33834&(1,' :&;,' &' : 4,' 9&' 2)&A*,' &;H234:,(4' 9' 583' ;89< 9,),(1,3' 7845' 45,' Z2,,(' 9' 45,' ;)8&481' =) A&A*,' (;' 45,'),32*4' 9'45,3,' '&)8 23' :48',3' 7&3' 45,' 9&: 23' ,&?2,' 9' &:A)&8' 38?(,;' A6' 45,' $8(?3' 9')&(1,' &(;' 9' =&8(' &(;' A6' 45,' $8(?' 9'45,' :&(3' 8(' ,1,:A,)' " ' 5,' (&:,' 9' 45,' =,' 7&3' (4' &==,(;,;' 4 ' 84M' A24' &' =*&1,' 7&3' 3=,18&**6'),3,)',;' 9)' 58:' 8(' 45,' 8(34)2:,(4'M &(;' 84' 7&3' @(7(' 45&4' 45,' ,&?2,' 7&3' 9):,;' 7845' 583' =)8'846' &(;' &==) '&*' &(;' &3' 45,),' 7&3' ? ;'),&3 (' 9)' 458(@8(?' (4' 7845 24' &' =) :83,' (' 583' =&)4' 9' &33834&(1,' 4 7&);3' 45,' AH,14' =) = 3,;' A 45'8(' :,(' &(;' : (,6 J

5,' 98)34'),32*4' 9'4583' ,&?2,' 7&3' &' 4,))8A*,' &(;' 9&: 23' ;,9,&4' 9' 45,' ,(,48&(3' &4' B58&)&;&;;&' (' 45,' -45' 9' &6' " ' &(;' 45,' * 33' A6'45,:' 9' ,)?&: '),318&'),: (&' ,) (&' 81,(>&' &(;' &;2&

5,' *),(48(,3' 7,),' :,&(758*,' ,(?&?,;' 8(' 4&@8(?' = 33,338 (' 9' 83&' &3' 5&3' A,,('),*&4,;'M &(;' 7,),' ,(?&?,;' 4)&(D28**6' ;2)8(?' 45,'),:&8(;,)' 9'45&4' 6,&)' &(;'45,' 6,&)' 9 ** 78(?'8(' 1&)8(?' 9)' 45,' ? ',)(:,(4' 9'45,8)'),1 ',),;' ;,=,(;,(16' &(;' 8(' =&338(?' 32(;)6'*&73 L 9)' 45,'*8:84&< 48 (' 4 ' &' 45 23&(;' 9*)8(3' 9' 45,' ; 7)8,3' ?8',(' 7845' :&))8&?,&A*,' ?8)*3 L 9)' 45,' 1&**8(?' 8(' 9'1*8==,;' 1 8(L 9)' 45,'),9):&48 (' 9'45,'&;:8(834)&48 (' 9'45,' :8(4'&(;' 45,)' 3215' &;:8(834)&48',' :&44,)3

5,' 4)&(D28**846' 9' 45,3,' : (453' 7&3' 8(4,))2=4,;' (*6' A6' &' 9 *835' 1 (3=8)&16' 8(' 9&' 2)' 9' 45,' ,;818' 75815' 3,)',;' &4' *,&34' 4 ' @,,=' &*8',' 8(' 45,' :8(;3' 9'45,' 1848>,(3' 45,'3,(3,' 9'45,' ;&(?,)' 9) :' 4583' 3 2)1,' 45&4' 7&3' &*7&63' :),')' *,33' 5&(?8(?' ',)' 45,:'M 9' &(;' &' 544*,' *&4,)' A6

I' B28118&);8(8' 4)8&' 8),(48((' 15&=' OOO888
1' '+84.'8.9'%,,24=<';,*1<',.6' 34.74+8226'96228'#1*%8'G8=' %28116369'8.9

1,)4&8(' 15&(?,3' 8(' 45,' = *8481&*' 3@6' 75815' ?&',' 8(;81&48 (3' 45&4' 45,' 8(4,)'&*' 9'4)&(D28**846' 7 2*;' (4' A,' &' * (?' (, 4' 7 2*;' 3,, :' 45&4' 45,' 35),7;*6' = *8481&*' 7&))8). =,' E2*823' ' A,?&(' 4 ' 458(@' 45&4' 5,' 5&;' 23,;' 45,' &**8&(1,' 9')&(1,'9)' 45,'),=),338 (' 9' 45,' ,(,48&(' = 7,)' 3299818,(4*6' 5,),' 83'),&3 (' 4 ' A,*8,',' 45&4' 5,' 5&;' 9) :' 45,' A,?8((8(?' 9' 583' &=&16' 1 (1,8',;' 45,' 8;,&' 9' ;)8'8(?' 24' 9' 4&*6' 45,'),(15' 75 3,' 8('&38 (' 9' 45,'=,(8(32*&' 5,' 5&;' &4' &(' ,&8P*8,)' =,O8 ;' ; (,' .3' :215' 4 ' =) : 4, J' (;' (7' 5&'8(?' 23,;' 45,'),(15' &):3' &(;' &**8&(1,' 9)' 45,'),=),3< 38 (' 9' 45,' 4 ' ?),&4' ,(,48&(' = 7,)' 84' 7&3' 48 :,' 4 ' 35894' 583' 3&8*3' &(;' ? ' (' 45,' 45,)' 4&1@' ,=&)&48(?' 58:3,*9' 9) :' 583' &**8,3' 45,),9),' E2*823' :&;,' =,&1,' 7845' ,(81,' &(;' ?&',' 5,)' 583' = 34 *81' A*,338(?' (' 45,' #"45' 9' ,A)2&)6' "

5,'),32*4' &3' 9&)' &3' *),(1,' 7&3' 1 (1,)(,;' 9' 4583' ,(48),*6' (,7' ?) 2=8(?' 9' 45,'= 7,)3' &(;' 9)1,3' 45) 2?5 24' 45,' =,(8(32*&' 7&3' 4 '),(;,)' 84' ,O1,,;8(?*6' ;899812*4' 9)' 5,)' 4 ' 34,,)' 5,)' 1 2)3,' A,47,,(' 45,' ;,:&(;3' 9' 45,' =,' &(;' 45 3,' 9' 45,' $8(?' 9')&(1,' B (9&* (8,),' ;,)8(8' &(;' 45 3,' 8(' *),(1,' 75 ' =)8(18=&**6' 32==)4,;' 58:' 7,),' 34) (?*6'),(15' 8(' 45,8)' 36:=&458,3' 5,6' 1 (1,8',;' 45&4' 45,' A,34' 3&9,46' 9)' 45,' : : (7,&*45' 7&3' 4 ' A,' 9 2(;' 8(' 9)&(@*6' &(;' 98):*6' &;5,)8(?' 4 ' 45,'),(15' &**8&(1,' 5,8)' == (,(43' 7,),' ,D2&**6' 1 ('8(1,;' 45&4' 84' 7&3' :),' 9)' 45,' 8(4,),34' 9' 45,' ,=2A*81' (4' 4 ' ;)&7' ; 7(' (' 84' 45,' ,(:846' 9' 45,' 7&)*8@,' (4899' &(;' 45,' ,(,48&(3 ' ' 4583' =&)46' A,* (?,;' &**' 45,' :),')'*,33' 3,1),4' &;5,),(43' 9' 45,' ,;818M' 9)' 45,' &);8(&*' &(;' 45,' =,' 5,*;' 4 ?,45,)M

:8I,269' E;' 1<6' 8394.82' 96@ 694:4'4.1,' 34=H4.>' <4=' 24%6' 4.' 1<4=' 422F:,.=496369' 8116)51' 34.74+8226' 8116)5169' 1,' >84.',+63' 42455,' #13,774' G<,' 96.,*.:69' 1<6' G<,26')81163' 1,' 1<6' >,+63.)6.1' ' 96184269' 8::,*.1' ,%1<4=' 654=,96')8;' E6' %,*.9' 4.' 1<,' ' 4%6' ,% 42455,' #13,774(' E;' 1<6' 536=6.1' G34163' #66' :<85' 444' ,%1<81' G,3H

")) 4381,' :<85' DD+444

[# ' ' ' ' '

W W &(;' 45,' *&44,)' 9 2(;' &' = 7,)92*' 8(34)2 : ,(4' 8(' 45,' &);8(&*' ;,P ,;818' 9)' 45,' 7),&@8(?' 9' 583' ,(: 846' (' ;,)8(8')' 45,' &);8(&*' 5&;' 38(1,' 45,' ;,&45' 9' 583' A) 45,)' 8,4) ' &; =4,;' 8(' &' ',)6' :&)@,;' :&((,)' &' 4 4&**6' ;899,),(4' *8(,' 9' 1 (;214' 9) :' 45&4' =2)32,;' A6' 583' A) 45,)' &(;' (,' 75815'),(;,),;' 45,' ;&(?,)' 4 ' *),(48(,' 9),,; :' 9) :' 45,' ,O834,(1,' 9' 45,' ,;81,&(' 1*&8 : 3' 45 2?5' ;899,),(4' 8(' @8(;' A6' (' :,&(3' *,33' 8(' &: 2(4

5,' &);8(&*' B8 '&((8' ;,P ,;818' 3 (' 4 ' A,1 :,' =,' &3' , '% ' 7&3' 8(;,,;' &' ',)6' ;899,),(4' 3)4' 9' :&(' 9) :' 583' ,*;,)' A) 45,)' 8,4) ' 5,' *&44,)' 7&3' &3' 45,' *),(48(,3' 7,),' 7 (4' 1 (34&(4*6' 4 ' 3&6' 8(' 45,' A844,)(,33' 9' 45,8)' 5&4),;' &(')38(8' 9' 45,')38(8' 45,' 158*;' 9' 583' : 45,)' 8(5,)848(?' &**' 45,' 9,2;&*' &(;' &(48.18'81' 5&2?548<(,33' &(;' A)24&*' :&((,)3' 9' 45&4' =) 2;')&1,' 83' A) 45,)' B8 '&((8' 7&3' 583' 9&45,)P3' 158*;' ,33,(48&**6' &' ,;818' 12*42),;' * '8(?' *,&)(8(?' &99&A*,' =*,&3&(4.:&((,),;' H '8&*' &(;' = *8481' (34,&;' 9' ;83?2348(?' &(;' &*8,(&48(?' ,',(' 45,' 5,),;84&)6'9)8,(;3' 9' 583' 5 23,' &3' 8,4) ' ;8;' A6' 583' 8(4 *,)&A*,' 8(3 *,(1,' &(;' A)24&*846' 9' :&((,)' 45,' &);8(&*' ;83&) : ,;' 45,' ,(: 846' 9' : 34' 9' 45,' *),(48(,3' 75 :' 5,' 1 2*;' 98(;' 45,' ==)42(846' 9' ?,448(?' 78458('),&15' 9' 583' =*,&3&(4' 4 (?2,' &(;' 78((8(?' :&((,)3' 5,')32*4' 7&3' &' ',)6' :&)@,;' ;8:8(248 (' 9' 45,' ?,(,)&*' 9,,*8(?' 9' 5&4),;' 9)' 45,' ,;81,&(' (&:,' 75815' 5&;' =),'&8*,;' 8(' *),(1,' ;2)8(?' 45,' *89,48:,' 9' 8,4) ' &(;' 45,' =) 9,338 (' 9' ,;81,&(' 36 : =&458,3' A6' ',)6' :&(6' 75 ' ,845,)' ;8;' (4' 9,,*45,: ')' ;8;' (4' ;&),' 4 ' &' 7' 45,: ' &3' * (?' &3' 5,' 5&;' *8',;

5,' 1 (3,D2,(1,' 9' 45,' 2(1,)4&8(46' =) ;21,;' 8(' *),(1,' A6' 45,' == 384,' ;&(?,)3' 9' 99,(;8(?' 45,' (4899' &(;' D2&)),**8(?' 7845' $8(?' 283' &(;' A6' 45,' ;899,),(4' =8(8 (3' =),'&8*8(?' 8(' 45,' 1846' &3' 4 ' 45,' 783,34' 1 2)3,' 4 ' A,' =2)32,;' 7&3' .45&4' 45,' *),(48(,' = *816' '&18**&48(?' 4)8: :8(?' &(;' 4,: =)8>8(?' 99,(;,;' A 45' =&)48,3' 4' 98)34' 45,' = *816

),1 : : ,(;,;' A6' 45,' B (9&* (8,),' 3,, : ,;' 4 ' A,' H234898,;' A6' 45,'=) ?),33' 9' ,',(43' &)*6' 8(' 45,' 6,&)' ' 45,'),(15' ;831 : 9848(?' 45,' &=&*' &(;' ,(,48&(' 4) =3' 8(' 45,' * ?(,3,' 4,))84)6' 1 : =,**,;' 45,' (4899' [(47845 34&(;< 8(?' 583' =,)3 (&*' =) 7,33' 8(' 34) : 8(?' &' A),&15' &4' 45,' *844*,' 4 7(' 9' 8)&(; *&' 8(' 583' 7(' 3&1),;' =,)3 (J]' 4 ' 9*6' 9) :' * ?(&' 75815' 45,6'),34),;' 4 ' 45,' ,(48' ?*8 ' 9&:8*6

24' 283' % ' 9,*4' &*: 34' :),' 8**' &4' ,&3,' &3' 1 (< D2,))' 9' 45,' =,' 45&(' 89' 5,' 5&;' A,,(' 1 (D2,),;' A6' 58: ' 5,'),',),(1,' 9,*4' A6' 58:' &(;' A6' &**' 45 3,' &) 2(;' 58:' 9)' 45,' &=&*' ,,' 7&3' ',)6' :215' ?),&4,)' 45&(' &(6' 3,(48< :,(4' 9' 45,' @8(;' 4 ' A,' 9 2(;' 8(' 4&*6'M &(;' 45,'),(15' @8(?' 7&3' :),' 8(1*8(,;' 4 ' &= * ?83,' 9)' 583' '814)6' 45&(' 4 ' 9 ** 7' 84' 2=' 24' (' 32A:8338 (' (' 1 (18*8&4)6' 7);3' 1 2*;' : ;896' 45,' &(?)6' 5 348*846' 9' E2*823' 458(?' *,33' 45&(' 45,' ,O=2*38 (' 9' 45,'),(15' 9) :' 45,' 3 ' 9' 4&*6' 7 2*;' 1 (4,(4' 58:' 4' A,1&:,' (,1,33&)6' 45,),9),' 4 '),=*6' 4 ' 3215' 2(1 : =) :838(?' 5 348*846' A6' &):3' 9' &' @8(;' :),' ,3=,18&**6' &;&=4,;' 4 ' 45,' ,(,:6' 4 ' A,' ;,&*4' 7845' (;' 4 ' 4583' ,(;' &**' 45,'),(15' &(;' =&(835' &);8(&*3' 8(' 45,' &1),;' **,?,' 2(84,;' 4 '1&**' &' 2(18*' &?&8(34' 45,' =,' 75815' 45 2?5' 84' :8?54' (4' 3211,,;' 8(' ;,45) (8(?' 58:' 7 2*;' &4' *,&34' 1),&4,' 3215' &' 31583:' 8(' 45,' &45 *81' 7)*;' &3' 7 2*;' ,99,142&**6' 1)8==*,' 583' = 7,)' ,',(' 89' 45,' :,),' :,(48 (' 9' 45&4' 7);' 9' 9,&)' 4 ' &=&*' ,&)3' F' ' 2(18*' 9' 45,' 52)15 G' ;8;' (4' 8(;21,' 58:' &4' (1,' 4 ' &; =4' &' :),' 1 (18*8&4)6' *8(,' 9' 1 (;214

24' 75,),' 7&3' 4583' 2(18*' 4 ' A,' 5,*;' D' ' A ;6' 9' 31583:&481' &);8(&*3' 3,,@8(?' 4 ' 3,4' &**' 5)834,(; :' &4' * ??,)5,&;3' A6' ;8'8;8(?' 45,' 52)15' 7&3' 18)12:34&(1,;

'*)) 4381,' 24E' DD+444'* 6:8114' 89' 8..'* 8394' =1,346' 94' 436.76' +,4' 4' 69' ,41' 5' U ' <6F' 281163' 36536=6.1=' 1<4=' %681' ,%' 1<6' ,.14%%' 8=') 6362;' 8' =:824.>' ,%' 1<6' G822' <;' 289963=' 8%163' 1<6' 1,G.' <89' =*336.96369' E6:8*=6' <6' G8=' 1,,' 4) 58146.1' 1,' G841' 1422' 1<6' >816=' :,*29' <6' ,56.69

' # ' ' ' ' '

5' 3 : ,75&4 38 : 8*&)*6 4 ' &' A ;6 9 45,' F 15& : =8 (3 9 45,')8(? G 3,,@8(?' &' * 1&*846 9)' 45,' 8**,?&* 1 (4,34 (' 75815 45,6 &),' A,(4' ' 8?( )')8(1,' 4,(4&4,')' : < : 2(846 ' 45&4 1 2*;' 5,*=' 843,*9 ' 7 2*;' =,) : 84 45,' ;&(?,) 23 A&44*,' 4 ' A,' 9 2?54 (' 45,8)' 4,))84)6 ' (' 4583 ;899812*46 45,' =2)=*,' 31583 : &4813 98O,;' 45,8)' ,6,3 (' 83&' (;' *),(1,' 7&3 3),*6 =,)=*,O,;' 75&4 4 ' ; ' 8(' 3 ' 45)(6 &(;' ;899812*4 &' : &44,)' 9 1 2)3,' 35,' 7&3 &4 ;&??,)3 ;)&7(' 7845')&(1,' 89 35,'),923,;' 4 ' =,) : 84 45,' F,',(4 G 4 ' 1 : ,' 99 (' 5,)' ?) 2(;' M &(;',',(' :),',' 8;,(4*6 35,' 8(12)),;' 45,' 92)8 23 &(?,)' 9 45,' (4899 ' 89 35,' ;8;' &** 7 84 ' 9 1 2)3,' 4583 ;899812*46 ' &(;' 45,' 8 : =)4&(1,' 84 7&3 9 4 ' *),(1,' 4 ' @,,=' (' 9&8)' 4,) : 3 7845')&(1,' &(;' 45,' @(7*,;?,' 45&4 ;,)8(8 : 8?54 A,' ;,=,(;,;' (' 4 ' 23,' &** 583 8(9*2,(1,' 8(' 9& ' 2)' 9 45,'),(15 &);8(&*3 &(;' 45,8)' 315,:,' 7,),'),&3 (3 45&4 ;,18;,;' 45,' 15 81,' 9 45,' * 1&*846 98O,;' (' 9)' 45,' =2)= 3,' (;' 8(' 9&14 ;,3=84,' &' ',)6 34) (?' == 3848 (' 8(' 45,' 1846 ' 45,' B (9&* (8,),' 7&3 34) (?' ,(2?5 4 ' 1&23,' 45,' (,1,33&)6 =,) : 8338 (' 4 ' A,' &11);,;' F 4 7&3 &' : 34 =,)(818 23 ;,1838 (' &(;' (,' (4 4 ' A,'),:,:A,),;' 7 845 24 4,&)3 G 3&63),(> ' 4) >>8 J 8(' 583 A8 ?)&=56 9 583 A) 45,)' 8*8== '),(> ' 7&3 &' F 8&?.' ((,' M G &(;' 84 83 12)8 23 4 ' *,&)(' 9) :' 4583 ,O=),338 (' 9Y583 =8(8 (' 45&4 45,' 15&(?,' 9 15P12 : 34&(1,3 8(' 4&*6 38(1,' 45,' ;,&45 9 &' (&) *&' 5&;' &*),&;6 1&23,;' 45,' 36 : =&458,3 9 45,' F 8&?((,' G =&)46 4 ' ',,)') 2(;' 4 ' &' = 8(4 9 45,' = *8481&* 1 : =&33 45,' ',)6 == 384,' 4 ' 45&4 4 7&);3 7 5815 45,6 = 8(4,;' ;2)8(?' 45,' *89,48 : ,' 9 45,' =) =5,4

5,'31583 : &481' 2(18* 7&3 &((2(1,;' 45,('4 ' A,' =,(,;' &4 83&' (' 45,' 34 9 ,=4,:A,)' ' (;' 84 7&3 =,(,;' &11);8(?*6 M A24 2(;,)' 18)12 : 34&(1,3 7 5815 3 (' 82;8.

" #,6 1<6 0 418 94 42455,' #13,774 ' 534.169 8=' 8' 536%8:6 1,' 6),..463@= 69414,.',%' 4::,24.4@= 138>69;' ' 42455,' #13,774 (' 436.76 ? 6),..463

1&4, ;' 45&4' 45,' =&)46' &44, : =48(?' 4583' 34,=' 5&;' ', (42), ;' (' W W
84' 7845 24' 3299818, (4*6' &31,)4&8(8(?' 45,8)' 7(' 34), (?45' &(;'
= 7,)3' 9' 1&))68(?' 84' 24' *45 2?5' A6' 45,' 8(9*2, (1,' 9'
B (9&* (8,),' ;,)8(8' 45,' =,): 8338 (' 9' 45,' ? ',)(:, (4'
5&;' A,,(' ?8', (' 45,' 83&(3' 45), 7', ',)6' ;899812*46' 45,6'
1 2*;' 8(' 45,' 7&6' 9' 45,' 31583: &481' &);8(&*3' 5,' 83&('
1*,)?6' 75 **6'),923,;' 4 ' &33834' 8(')' A,' =),3,(4' &4' &(6' 9'
45,' 1,),: (8&*3' 9' 45,' =,(8(?' 5,6' 3524' 45,' ;)3' 9'
45,' 1&45,;)&*' &?&8(34' 45,' &);8(&*3' 5,' :&?834)&4,3' 9'
45,' 1846' &A3 *24,*6'),923,;' 4 ' =,): 84' 45),,' 52(;),;'),(15'
&(1,3' 75815' 5&;' A,,(' 3,(4' 4 ',(32),' 45,' =,)3 (&' 3,12)846'
9' 45,' &);8(&*3' 4 ',(4,)' 45,' ?&4,3' (' 45,' :8;34' 9' 45,3,'
;899812*48,3' 45),,' 38448(?3' 7,),' 5,*;' 24' A,9),' &(6' 9' 45,'
),&*' A238(,33' 9' 45,' 2(18*' 5&;' A,,(',(4,),;' (' &' 34),,4'
D2&)),*' 75815' 15&(1,;' 4 ' &)83,' A,47,,(' 3 :,' 9' 45,'
9 ** 7,)3' 9' 45,'),(15' &);8(&*3' &(;' 45,' 4 7(39 *@' &(;'
75815' 7&3' &** 7,;' ',)6' =) A&A*6' 8(4,(;,;' 4 ' ?) 7' 8(4 '
3215' &' ;8342)A&(1,' 45&4' 45,' ,0,1248',' &245)848,3' 9' 45,'
1846' ;,1*&),;' 45,:3,*',3' 2(&A*,' 4 ' D2,**' 45,')8 4' 3 '
&*&):,;' 45,8)' :8(,(1,3' 45&4' ;,1*&)8(?' 45,' 2(18*' 4)&(3<
9,)),;' 4 ' 8*&(' 45,6' A) @,' 2=' &(;' ;,=&)4,;' 8(' :215'
5&34,' &(;' 1 (9238 (' F' 4 ' 45,' 8(98(84,' 3&4839&148 (' 9' 45,'
*),(48(,3' &(;' 9' 45,' 83&(3' &3' 7,**' &3' 9' 45,' &);8(&*3'
45,:3,*',3 G J

24' 4583' ;83&34) 23' A),&@8(?' 2=' &(;' ;,=&)42),' 9' 45,'
5 348*,' 2(18*' 7&3' A6' (' :,&(3' 3299818,(4' 4 ' &==,&3,' 45,'
7)&45' 9' =,' E2 23' ,' 32:: (,;' 45,' 31583: &481' &)<
;8(&*3' 4 ' &==,&)' A,9),' 58:' 8(' :,' M &(;' (' 45,8)' 9&8*8(?'
4 ' ;' 3 ' 7845 8(' &' 34&4,;' 48:,' ;,=)8',;' 45,:' 9' 45,8)'
=2)=*,' ,' F' A,?&('92)8 23*6' 4 '45),&4,(',01 : :2(81&48 ('
&(;' 8(4,);8143' (4' &?&8(34' 83&' (*6' A24' &?&8(34' *),(1,'
&*3 ' 4 ?,45,)' 7845' &*' 843' 4,))84)6' M L 4 ' =2A*835' 8(' &*'
*&(;3' 45&4' 45,' *),(48(,3' 7,),' 31583: &4813' &(;' 5,),4813' M L

Z' 6:8114' 89' 8..' ^)) 4381,' 24E' DD+444' ^ 8394' 24E' +

. ‘ &(;‘ 4 ‘ ?8',‘ 2=‘4 ‘ =*2(;,)‘ &*# *C45,‘ =) =,)46‘ 9‘ *),(48(,3‘ 4 ‘ A,‘ 9 2(;‘ 8(‘ : ,‘)‘ 8(‘ &(6‘ 45,)‘ =&)4‘ 9‘ 45,‘ ,11*,.‘ w8&3481&*‘ ; :8(8 (3‘ (;‘ 5,‘ =) 1,,;,;‘ 4 ‘ &14‘ &11);< 8(?*6 GJ‘ 5,‘ B (9&* (8,),‘ &11);8(?‘ 4 ‘ 45,‘ *;‘ *),(< 48(,‘ :,45 ;‘ 9‘ ;,&*8(?‘ 7845‘ 3215‘ ,11*,38&3481&*‘ 1,(32),3‘ 38:=*6‘);,),;‘ 45,‘ 231&(‘1*,)?6‘4 ‘=) 1,,;‘7845‘45,8)‘92(1< 48 (3‘ &3‘ 232&*‘ (;‘ ; 2A4*,33‘ 45,‘ *),(48(,3‘ 7 2*;‘ 5&',‘ 1&),;‘ &3‘ *844*,‘ 9)‘ 45,‘ 8(4,);814‘ 9‘ =,‘ E2*823‘ &3‘ 45,6‘ 1&),;‘ 9)‘ :&(6‘ &(45,)‘ 8(‘ 45,‘ A6? (,‘ ;&63‘ 9‘ 583‘ =),;,1,33)3‘ 5&;‘ 45,),‘ (4‘ A,,(‘ &‘ 34) (?‘ =&)46‘ 75 ‘ 7,),‘ ,&?,)‘ 4 ‘ :&@,‘ = *8481&*‘ 1&=84&*‘ 24‘ 9‘ 84‘ 8(‘ 45,8)‘ 5 348*846‘ 4 ‘ 45,‘ B (9&< * (8,),‘ 5,),‘ 7&3‘ &‘ ? ;‘ ;,&*‘ 9‘ 241)6‘ 45,),9),‘ &A 24‘ 45,‘ &A3 *24,‘ (,1,33846‘ 9‘ *8A,)&48(?‘ 1 (318,(1,3‘ 9) :‘ 45,‘ 8(4 *,)&A*,‘ A2)45,(‘ 4523‘ *&8;‘ (‘ 45,:‘ A6‘ 9&**8(?‘ 8(‘ 7845‘ 45,‘ '8,73‘ 9‘ 45,‘ (4899‘ &(;‘ 4523‘ A4&8(8(?‘ 45,‘),: '&*‘ 9‘ 45,‘ 8(4,);814

E2*823‘5 7,',)‘@(,7‘ 9‘ &‘ :,45 ;‘ 9‘ =2(8358(?‘ *),(1,‘ A6‘ &‘ *&35‘ *&8;‘ (‘ &‘ :215‘ 4,(;,),)‘ =*&1,‘ 8(‘ 45,‘ =2A*81‘ :8(;‘ 45&(‘45&4‘ 9‘ 843‘),*8?8 23‘ 9,&)3‘ 8,‘ ;,1*&),;‘ 58:3,*9‘ &‘ 7&):‘ =&)483&(‘ &(;‘ 32==)4,)‘ 9‘ 45,‘ ,;81,&(‘ 1*&8:3‘ 4 ‘),34)&< 48 (‘M &(;‘ 9 ** 7,;‘ 2=‘ 45,‘ ;,1*&)&48 (‘ A6‘ 3,(;8(?‘ 45,‘ &);8< (&*‘ ;,P ,;818‘ &3‘ &=&*‘ ,?&4,‘ 4 ‘ * ?(&‘ 9)‘ 45,‘ &' 7,;‘ =2)= 3,‘ 9‘ 5&)&338(?‘ *),(1,‘ 7845‘ 45,‘ ;&(?,)3‘ &(;‘ 323< =818 (3‘ &)838(?‘ 24‘ 9‘ A83‘ =),3,(1,‘ 8(‘ 3215‘ (,&)‘ (,8?5A 2)< 5 ;‘ 4 ‘ 45,‘ 1846‘ ;,)8(8),=*8,;‘ 4 ‘ 4583‘ &44&1@‘ A6‘ 8:< = 38(?‘ &‘ 5,&'6‘ 4&O‘ A(‘ &*‘ ,11*,38&3481&*‘ =) =,)46‘ 78458(‘ 45,‘ *),(48(,‘ ; :8(8 (3‘ 24‘ 45,‘ 2(18*‘ 7845 24‘ 45,‘ 1 (< 12)),(1,‘ 9‘ 75815‘ 45,‘ 4&O‘ 1 2*;‘ (4‘ A,‘ *,'8,;‘ 9,&)8(?‘ 45,‘ ,99,143‘ 9‘ 92)45,)‘ 8))84&48(?‘ 45,‘ (4899‘ 1&(1,*,;‘ 45,‘ ;,1),,‘ (;‘ 45,‘ =,‘ (‘ 583‘ 38;,‘ &(O8 23‘ 4 ‘ &' 8;‘ ;)8'8(?‘ *),(1,‘ 4 ‘ 45) 7‘ 5,)3,*9‘ &*4 ?,45,)‘ 8(4 ‘ 45,‘ &):3‘ 9‘)&(1,‘ &(;‘ &4‘ 45,‘ 3&:,‘ 48:,‘ ?*&;‘ 9‘ &(‘ ==)42(846‘ 9‘ :&@8(?‘ 84‘ 9,*4‘ 45&4‘ 583‘ D2&)),*‘ 7&3‘ 7845‘ 45,‘ B (9&* (8,),‘ &(;‘ (4‘ 7845

45,' :),' '838A*,' &(;' '2*?&)*6' &==),18&A*,' * 33,3' 9' 45,8)' !
,(, :8,3')' 45,6' * 34' 45,' 3 *;' 9' '814)6' B&34 (' ;,' W W
8O' 7&3' (4' 4 ' A,'),=*&1,;'),35' 7833' 4) =3' :8?54'
A,'A) 2?54'9) :'45,' : 2(4&8('),3,)' 8)3' 9' :,(' 4 ' 98**' 45,'
=*&1,3' 9' 45,'1) 7;3' 75815'5&;' A,,(' 3*&2?54,),;M A24' ('
3,1 (;' B&34 (' ;,' 8O' 7&3' 4 ' A,' 5&;' &4' (,,;' (;' 45,'
),(15' (,,;' 9' 3215' &' *,&;,)' 7&3' 3 (' 3,,(' 4 ' A,' 9' 45,'
3),34' 94,)' 45,' ?),&4' 3211,33' &4' &',((&' 45,'9)42(,3'
9')&(1,' 8(' 4&*6' ;,1*8(,;' 3 ')&=8;*6' 45&4' A6' 45,' ,(;' 9'
E2(,' 45,'),(15' 7,),' ,(48),*6' ;)8',(' 24' 9' 4&*6 L 4 ' 45,'
,4,)(&* 5 (2)' ' E2*823' ' 45,' 7&))8). =,' 7)84,' 45,'
4&*8&(' 5834)8&(3' (;' 8(' 4)245' 45,),' 3,,:3'),&3 (' 4 '
A,*8,',' 45&4' &'1,)4&8(' &: 2(4' 9' ?,(,) 23' 4&*8&(' 9,,*8(?' &4'
,&34' :8(?,;' 7;45' 45,' = *8481&* 315,:,3' &(;' =,)3 (&*'8(<
4,),343' 75815' &(8:&4,;' E2*823' 8(' 583' ;,4,):8(&48 (' 4 ' ;)8','
45,'),(15' 8('&;,)3' A,6 (;' 45,' *=3
5,'4)82:=5P 9' 45,' =,' &(;' 583' &**8,3' 7&3' (' &**' 38;,3'
1 :=*,4,' &(;' 45,'),32*43' 9' 84' :&6' A,'1 (38;,),;' &3' 5&'8(?'
;,98(848',*6' 35&=,;' 45,' = *8481&* ;,348(8,3' &(;' ?, ?)&=56' 9'
4&*6' 8(4 ' 45&4' 9):' 75815' 45,6' 9)' 45,' : 34' =&)4'),4&8(,;'
;2)8(?' 45,' 98)34' 45),,' 52(;),;' 6,&)3' 9' 45,' :;,)('
2) =,&(',)& J
9' 1 2)3,' 84' 9&),;' 8**' 7845' 45 3,' 7 5 ' 5&;' A,,(' 45,'
=&)483&(3' &(;' &**8,3' 9' 45,'),(15' = 7,)' 8(' 4&*6 ' 5,'
1848,3' 9' 45,' ;2156' 9' 8*&(' 7,),' 32AH,14,;' 4 ')28(23' 7&)'
8:= 343' 9)' 45,' =&6:,(4' 9' 45,' *&)?,' A ;8,3' 9' 7833' 4) =3'
45&4' 5&;' A,,(' 58),;' :&8(*6' A6' 45,' (489*P *9 (3 ' 9'
34,' 2@,' 9' ,))&)&' 75 ' 5&;' A,,(' &*: 34' 45,' (*6'
&' 7,;' &**6' 9')&(1,' A,6 (;' 45,' *8:84' 9' 45,' 4&4,3' 35,'
1*&8:,;' &3' 5,)' 7(' 7&3' 1 :=,**,;' 4 ' =),3,(4' 58:3,*9' &4'
:,' &(;' 32A:84' 4 ' &**' 45,' 52:8*8&48(?' 1,),: (8&* 9' &'
9):&* &A3 *248 (' 0 845' *),(1,'84' 9&),;',',(42&**6' 7:)34'
9' &**')' 45 2?5' 45,' : : (7,&*45' 8(' 843' 4)8: :8(?

'* *4::48394.4' #1,348' 9@ 18248 ' 24E ' D '*)) 4381,' 24E ' DD+444

! 1&248 (‘ &(;‘ ;8'8;,,;‘ 7835,3‘ &(;‘ 1 2(3,*3‘ 5&;‘ &' 8;,,;‘ &(6‘
;8),14‘ &(;‘ =,(‘ &' 7&*‘ 9‘ &**8&(1,‘ 7845‘)&(1,‘ 45 2?5‘ 45,‘
=,‘ &(;‘ 45,‘ &) : 8,3‘ 9‘ 45,‘ ,&?2,‘ ;8;‘ (4‘ =) 9,33‘ 4 ‘ 1 (<
38;,)‘ 45,‘ ,=2A*81‘ &3‘ 45,8)‘ ,(, : 6‘ &(;‘ 45 2?5‘ E2*823‘ ‘
7&3‘ 1 (4,(4‘ 4 ‘ ;8348(?2835‘ A,47,,(‘ 45,‘ : : (7,&*45‘ &(;‘
843‘ B (9&* (8,),‘ ;,)8(8‘ 75 :‘ 5,‘ 7&3‘ ;,4,) : 8(,;‘ 4 ‘
1)235‘ 8(‘ =2(835 : ,(4‘ 9‘ 583‘ ;,18;,;‘ &(;‘ 45) 2?5.? 8(?‘
),(15‘ 36 : =&458,3‘ &(;‘ 75 ‘ 7&3‘ 1)235,;‘ &11);8(?*6‘ 6,4‘
(‘ &' 7,;*6‘ 5 348*,‘ &148 (‘ 1 2*;‘ 5&',‘ A,,(‘ 3 ‘ 9&4&*‘ 4 ‘ 45,‘
,=2A*81‘ &3‘ 45,‘ &==&),(4*6‘ : 8*;‘ &(;‘ : ;,)&4,‘ ;,:&(;3‘
45&4‘ 5,)‘ B (9&* (8,),‘ ;,)8(8‘ 75 3,‘ (4)8 23‘ =&)48&*846‘
9)‘ 45,‘),(15‘ &**8&(1,‘ : &;,‘ 58 :‘ ,'8;,(4*6‘ 8(1 : =&48A*,‘
7845‘ 45,‘ (,7‘ 34&4,‘ 9‘ 458(?3‘ 35 2*;‘ A,‘), : ',;‘ &(;‘ 45&4‘
45,‘ ,;818‘ 35 2*;‘ A,‘),34),;L : ,),*6‘ &3‘ =)8'&4,‘ 1848>,(3‘
L 4 ‘ 45,8)‘ 1 2(4)6

5,3,‘ ;,:&(;3‘),&15,;‘ *),(1,‘ &A 24‘ 45,‘ :8;;*,‘ 9‘
E2*6‘ # ‘ 4 ?,45,)‘ 7845‘ &(‘ 8(48 : &48 (‘ 9) :‘ 45,‘ =,‘ 45&4‘
5,‘ 35 2*;‘ ,O=,14‘ 45,‘ : : (7,&*45‘ 4 ‘ ,(4,)‘ 9)&(@*6‘ 8(4 ‘
45&4‘ ,&?2,‘ 75815.5,‘ 5&;‘ :&;,‘ 9)‘ 45,‘ &;'&(4&?,‘ &(;‘
4)&(D28**846‘ 9‘ 4&*6‘ 5,‘ =,‘ 5&;‘ =),'8 23*6‘ 8: : ,<
;8&4,*6‘ &94,)‘ 45,‘ ;,1838',‘ ;,9,&4‘ 9‘ 45,‘),(15‘ 3,(4‘ &(‘
8(48 : &48 (‘ 4 ‘ *),(1,‘);,)8(?‘ 45,‘ 1848>,(3‘ 4 ‘ : &@,‘ =) <
1,338 (3‘ &(;‘),H 818(?3‘ 9)‘ 45,‘ ;,*8',)6‘ 9‘ 4&*6‘ 9) :‘ 45,‘
8('&;,)‘ FH234‘ &3‘ 89 G‘ 3&63‘ (,‘ 7)84,) J‘ F 45,6 L 45,‘),(15‘
L 5&;‘ A,,(‘ 2)@3‘ &(;‘ 8(98;,*3 G‘ 5,‘),(15‘ 9,,*8(?‘ 8(‘
*),(1,‘ 7&3‘ 348**‘ 3299818,(4*6‘ 34) (?‘ 4 ‘ : &@,‘ 84‘ ,O1,,;8(?*6‘
),=2?(&(4‘ 4 ‘ 45,‘ 1848>,(3‘ 4 ‘ A,6‘ 4583‘);,)‘ (;‘ 45,6‘
5&;‘ ? 4‘ 24‘ 9‘ 45,‘ ;899812*46‘ A6‘ 3&68(?‘ 45&4‘ 4583‘ 7&3‘ 75 **6‘
&(‘ ,11*,38&3481&*‘ &(;‘),*8?8 23‘ : &44,) L 45&4‘ 84‘ 7&3‘ 9)‘ 45,‘
)15A835 =‘ 4 ‘ A,6‘ 583‘ 32=,)8)‘ &(;‘ : &@,‘ 75&4‘ =) <
1,338 (3‘ &(;‘ 152)15‘ 3,)'81,3‘ 5,‘ 45 2?54‘ =) =,) L 75815‘
7&3‘ &11);8(?*6‘ ; (,‘ **‘ 45,‘ =)8,343‘ &(;‘ 45,‘ : (@3‘
7845‘ 45,8) A&((,)3‘ &(;‘ 1&(;*,3‘ :&)15,;‘ &A 24‘ 45,‘ 1846M‘
H ‘ . ' ‘ 7,),‘ 32(?‘ &(;‘ 45,‘ 152)15‘ A,**3‘ 7,),‘)2(?

24' 45,' 1848>,(3' @,=4' D28,4*6' 78458(' 45,8)' 5 23,3' 45,' 758*,'M (4' &' 3 2*' H 8(,;' 8(' 45,' =) 1,338 (3')' &44,(;,;' 45,' 3,)< '81,3'M ( )' 7&3' 45,' ?),&4' A,**' 9' 45,' 0" "))' 0' =,):844,;'4 'A,')2(?J

4' 7&3' 3299818,(4*6','8;,(4' 45,),9),' 45&4' ;,3=84,' 45,' 5 348*846'4 '45,' B (9&* (8,),',O8348(?' 158,9*6' &: (?'&'1,)< 4&8(' (2:A,)' 9'*,&;8(?' 1848>,(3'45^' ,=2A*81' 7&3' (4' 8(' &' : ;'4 '&33,(4' 4 '45,';,,:&(;3' :&;,'A6'45,' &=&*'&:A&3< 3&;)3' ,4' ;,)8(8'58:3,*9'&;:844,;'8('45,';,A&4,3'45&4' ,(32,;'2= (' 45,:'45&4'45,6'&==,&),;' (' 45,'9&1,' 9'45,:' : ;,)&4,' ,(2?5' 5&4'5,'35 2*;'A,'1&**,;' (' 9)' 45,' ? ;' 9'45,'1846'4 '),38?(' 45,'34&48 (' 4 '75815'5,'5&;'A,,(')&83,;'A6'45,'1848>,(3'7&3'&' :&44,)' 5,'3&8;' 9' 3:&**' 8:< =)4&(1,' 5&4'84'35 2*;'A,';,:&(;,;'45&4'45,' : : :' 7,&*45'35 2*;'),42)(' 4 '843' *;'1 (3484248 (' 9' A8: (45*6' B (9&*D(8,)8' 1 2*;' (4' A,';,,:,;'&(6'?),&4',' 8**' 38(1,' 45,' 4&4,'5&;'*8',;'&(;'9* 2)835,;'2(;,)'45&4'1 (3484248 (' 9)' :),'45&('47 '1,(42)8,3' 5&4'45,'1848>,(3'75 '5&;' A,,(' A&(835,;'35 2*;'7835'4 '),42)(' 4 '45,8)' (&48',' 1846' 7&3' (' :),'45&(' (&482R&*' 0 5815'&: (?'45,:'&**' 7 2*;' (4' ;,38),'45,'3&:,'b ' L 75&4'7&3'1 (1,&*,;'2(;,)'&**' 4583b' 8;'&(6' 52:&(' A,8(?' A,*8,',' 45&4' 45,' ,;818' 7 2*;'A,'1 (4,(4' 4 '*8',';8(' *),(1,'&3' =)8'&4,'1848>,(3' &332:8(?' (' =),.,:8(,(1,' ',)'45,8)'9,** 7.1848>,(3b' 9' *),(1,'8(4,(;,;'4 '),:&8(' 9),,' 7&3' 84' (4' &A3 *24,*6' (,1,33&)6L ;8;' (4' ,',)6' :&(' 8(' *),(1,'@(7'45&4' 84' 7&3' &A3 *24,*6' (,1,33&)6L 4 ' ,O1*2;,' 45,' ,;818' &3' 45,6' 7 2*;'45,'=,348*,(1,'b

(' 4)245'45,3,'&)?2:,(43' 7,),' ,(48),*6'2(&(37,)&A*,' 24' 75&4' 7&3'4 ' A,' ; (,'b 5,'58?5.5&(;,;'&(;'4)8< 2:=5&(4' =,' 7&3';,4,):8(,;'&(;'8(,0)&A*,' 5,' &)< ;8(&*';,'b ,;818' 7845'45,' :8(23' 484*,' 9' F ,?&4,' 9' 231&(6 P' 7&3'5 ',)8(?'&4' * ?(&' ' &8: (;' ';&')< ;'&'45,' =&(835' 81,) 6'&4' &=*,3'7845'&'1 (38;,)&A*,

'*)) 4381,'24E' DD+444

W W

A ;6 9 4) =3 7&3 45,),&*3 0 5&4 7&3 4 A, ; (,b 94,)* (? ;,A&4,3 ;2)8(? 45),,;&63 45, (*6 ;,1838 (4 75815 45, 8?( )6 1 2*;1 :, 7&3 4 5&',),1 2)3,4 45&4 *;,O=,;8,(4 75815 5&;3 94,(A,,(9 2(;4 &(37,)8(45, ;,&*8(?3 9 45, : : (7,&*45 7845 9),8?(=)8(1,3 L &(99,)4 =&6 : (,6 89 (*6 45,6 1 2*;A, &** 7,;4),:&8(D28,4 &(;&4 *8A,)46 4 :&(&?,45,8) 7(&99&8)3 &3 45,6 45 2?54 984

24 84 7 2*;(4 ; 2= (4583 11&38 (5, ,;818 1 2*;=&6 : (,6 &*3 4 5&;A,,(92**6 ;,4,):8(,;A6 45, = 4,(4&4,3 75 7845 '814)8 23 &):3 8(45,8) 5&(;3 7,),,(?&?,;8(&))&(?8(? 45,9242),= *8481&* 1 (34842 48 (9 4&*6 45&4 45,),34842 48 (9 45, 8)=) ?)&::, (;84 7&3 &A3 *24,*6 (,1,33&)6 4 &(37,) &998):&48',*6)(,?&48',*6 4 45, ;,:&(;3 9 45, =,&(;583 &**8,3 5,;,1838 (4 *,(?45 7&3 45&4 45, : : (7,&*45 7 2*;A, 1 (4,(4 4),1,8',45, ,;818 &3 =)8'&4, 1848>,(3M A24 7 2*;(4 1 (3,(4 4 :&@,&(6 15&(?,8(45,=),3,(4 9):9 843 ? ',)(:,(4

5,),32*4 9 4583 ;,1838 (7&3 45,8:,;8&4,8('&38 (9 231&(6 A6 45, 81,) 6 &8: (; ;&); '& 7845 45, ,;818 8(583 1 :=&(6 &(;45,4&@8(? 9 45,1846 9)&4 (*6 47,*',:8*,3 9) :*),(1, A6 &33&2*4 (45, "45 9 2?234 #

5,&4) 18 23 &(;&A :8(&A*,1)2,*46 75815 7&3 8(9*814,;(45&4 ;,9,(1,*,33 &(;&*: 34 2(;,9,(;,;1846 &4 45, 5&(;3 9 45, &=&* &(; =&(835 3 *;8,)6 2(;,)45,',)6 ,6,3 9 45, &);8(& ,?&4, ,O1,,;,;, ',(45,92** :,&< 32), 9 3299,)8(? 232&**6 &7&);,;4 1&=42),;1848,3 A6 45, 7&)1 ;, 9 45 3,1)2,* 1,(42)8,3 (232&**6 92** &11 2(43 9 45,3,5)))3 A6 45),,;899,),(4 ,6,.784(,33,3 5&',A,,(=),3,)',;&(;),1,(4*6 =)8(4,;M J &(;45,),&;,)';,38) 23 9 98**8(? 583 8:&?8(&48 (7845 45,* &453 :, 38?543 &(;

;8P,&;92*3 2(;3 45&4 9)'47,(46.45),,' ;&63 :&;,' 45,'1846'
9)&4 '&' :),') ,&* &(;' 9,&)92* 5,** 45&(' &(6 75815'45,' C
9&(16 9 45,' ?),&4 = ,4 1 2*;' 92)(835' 9)45' :&6 98(;'
75,),7845&* 4 '1 (4,(4 58:3,*9 8('45,3,'=&?,3' 'A)8,9,)'
&11 2(4'1 :=8*,;'9) :'45,:' :&6 &*3 'A,'),&;'8('45,' 89,'
9 8*8== ' 4) >>8'A6 45,'=),3,(4 7)84,) J

5,'1 (34,)(&48 (' &(;'4,)))'8(' *),(1,' ('5,&)8(?'45,'
9&4,' 9)&4 '7,),' ,O4),:,' 0 5,('45,'8(4,**8?,(1,' 45&4
45,' =&(835'&):6 7845'45,' &);8(&* ;,P ,;818 7&3 &A 24
:'8(?'9) :' * ?(&'4 7&);3 231&(6'),&15,;'45,'1846'
45,' *),(48(,'? ',),(:,(4' 7845'B (9&* (8,),' ;,)8(8 &4
843'5,&;'5&;' 45 2?54 84 =)2;,(4 4 '8:=)83 (' & '45,':),'
(4&A*,'=&)483&(3 9 45,' ,;81,&('9&148 ('4 '45,'(2:A,)'
9 9)46'M A24 45,8)';,4,(48 (';8;'(4 *&34 * (?' 5,6
7,),'&)),34,;' ('45,'#N45' 9 2?234 M A24 ('45,'(8?54 9
45,' "45'45,'9&** 9)&4 '7&3 @(7('&(;'&** 7&3 1 (<
9238 ('&(;'&*&):'8(' *),(1,' 5,'9)46'=)83 (,)3 7,),'
3,4 &4 *8A,)46'M &(;' ;,)8(8'75 ' :234 A,'&;:844,;'8('45883'
1)8383 4 '5&','35 7(' :),' 7,&@(,33 9 15&)&14,)'45&('
:8?54 5&','A,,(' ,O=,14,;'9) :'583'=),'8 23'1 (;214'*,94
45,'0" ")) '0' '3,1),4*6'&(;'9*,;'9) :' *),(1,'45,'
3&:,'(8?54

9 1 2)3,'45,'9)8,(;3 9 45,' ,;818 7,),'2='&(;'&148','
&3 3 ('&3 45,'(,73 9 45,'4&@8(?' 9)&4 '),&15,;'45,'
1846' ,',)&* 9 45,:'1588,9*6 6 2(?':,('75 3,':;' 9
*89,'&(;'45,'34&4,' 9 75 3,'9)42(,3 :&;,'= *8481&* 15&(?,''
9 &(6 3)4 7,*1 :,'4 '45,:'52))8,;'4 '45,'=&*&1,'&3 3 ('
&3 45,'B (9&* (8,),'7&3 24 9 84'&(;'2)?,;'45,' 8?( )6
4 ' ' 4,'583 ;,= 3848 ('9) :' 8981, 9 583 ; (,'&:A&33&<
;)3 7,),',3,(4 4 '45,' 81,) 6 &(;'45,' &);8(&* &4)&4 '
('45,' 34 9 2?234 '4 '3,,' 5&4 4,):3 1 2*;'A,':&;,'
7845'45,:' 4 7&3 &?),,;'45&4 *),(1,'35 2*;',(4,)'45,

Z 4%6 ,% 42455,'#13,774' ,.9'W ['5'['
1'))4381,'24E'=D+444'89 %4,6)

)# '

‘ # ‘ ‘ ‘ ‘ ‘

,&?2,‘ 35 2*;‘ 2(;,)4&@,‘ 4 ‘ =&6‘ &‘ 52(;),;.&(;.9)46‘
‘ ‘ 45 23&(;‘ ;21&43‘ &(;‘ 45&4‘ 45,‘ ,;818‘ 35 2*;‘ A,‘),1,8',;‘
8(‘ 45,‘ 1846‘ &3‘ =)8'&4,‘ 1848>,(3
(;‘ 4523‘ 45,‘ 3,1 (;‘ J‘ ,O8*,‘ 9‘ 45,‘ ,;818‘ &94,)‘ 5&'8(?‘
*&34,;‘ 9)‘ C‘ =,)8 ;‘ 9‘ ,8?54,,(‘ 6,&)3‘ 1&:,‘ 4 ‘ &(‘ ,(;

'‘ ,*.14.>‘ 1<81‘ ,% ,=),‘ 8163‘ 8134:6‘ %3,)‘ WU ‘ 1,‘ WU U‘ .=‘ 1<6‘ %43=1

$ %

9 $ 4 8 I 899*?@ ,* *8

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W W

=) 9,33,;' 4 ' A,' 1 (4,(4' 24' 84' 83' *8&);*6' 1),;8A*,' 45&4'
&(6' 38(?*,' :&(' 8(' *),(1,' A,*8,',;' 45&4' 3215' 7 2*;' A,'
45,'),32*4' 9' 45,' 34,=' 45&4' 7&3' &A 24' 4 ' A,' 4&@,(' 5,'
15&(?,' 8(' D2,348 (' 75815' 7&3' ,99,14,;' A6' 75&4' 45,' 5834 <
)8&(' &);8J' 1&**3' F' 45,' 92)8 23' (&42),' 9' 583' *8(,33' G'
=,' E2*823' ' 7 2*;' 5&);*6' 5&',' 3,,:,;' 4 ' 45,' = 4,(<
4&4,3' 9' 4&*6' 4 ' 5&',' A,,(' 7)45' 3 ' :215' ,99)4M' &(;' 3 '
:&(6' 1)8:,3' 5&;' 843' 3 *,' AH,14' A,,(' 45,'),34)&48 (' 9' &'
=)8'&4,' 9&:8*6' 4 ' 45,8)' 5 :,' 5,' *&)?,' (2:A,)' 9' 8(<
9*2,(48&*' 1848>,(3' 75 ' 7,),' &3' ,33,)' B8 '&((8' &:A8' &'
45) 2?5.? 8(?' F 8&?((,G' &(;' 45,),9),' 5&4,)' 9' 45,'
,;81,&(' (&:,9' &;:843' &(O8 23' 4 '),42)(' 4 ' 45,' ? ',)(<
:,(4' 9' 45,' ,;818' &332),;*6' 1 :=),5,(;,;' =,)9,14*6'
7,' 45,' (&42),' &(;' 31 =,' 9' 45,' :,&32),' B (9&* (8,),'
C ;,)8(8' 75 ' 9,*4' 45&4' *),(1,' 7&3' (' * (?,)' &' =*&1,' 9)'
58:' &94,)' 45,' :,:A,)3' 9' 4583' =)8'&4,' 9&:8*6' 5&;' ,(4,),;'
843' ?&4,3' @(,7' 7,*' ,(2?5' 75&4' 7&3' 1 :8(?
4' 83' 12)8 23' 5 7,',)' 4 ' 98(;' 3215' &' 7)84,)' &3' &:A8' &'
38:=*,.:8(;,;' =8 23' &(;' 45) 2?5*6' 38(1,),' :&(M' &('
&);,(4' &(;' 9&(&481&*' &;:8),)' 9' &(;' A,*8,',)' 8(' &' (&) *&'
&;:8448(?' ,',(' 758*,' 5,' 83' 8(',8?58(?' &?&8(34' &(6' 15&(?,'
8(' 45,' 9):' 9' ? ',)(:,(4',34&A*835,;' A6' 45,' =) =5,4' 45&4'
45,),' 7&3' &A2(;&(4'),&3 ('4 ';,38),' &' 15&(?,' 9' 3 :,' 3)4'
**' 45,' ,'8*3' 2(;,)' 75815' 45,' A ;6' 3 18&*' ?) &(,;' 8(' 583'
48:,' 7,),' 8(' 583' '8,7' F' H2;?:,(43 G' F' A,1&23,' H23481,' 7&3'
(4' ;(,' 8(' *),(1,' ( )' 45,' 781@,;(,33' 9' 45,' 6 2(?'
),34)&8(,;G' 0 81@,;(,33' 9' 45,' 6 2(?Q 5,),' 0&3'
&A2(;&(4' 781@,;(,33' 9' 45,' *;' &*3 L 9' ?),6.A,&);,;'
38((,)3' 5 (,34' *;' &:A8P3' 1 (4,:=)&)8,3' 75815' 4 ' 45,'
92**' &3' 3),*6'(,,;,;'),34)&8(8(?' 24' 45,',' H2;?:,(43 G'
75815' 45,' 5834)8&(';,=*),3'&),' 9 2(;' 4 ' 9 ** 7' 45,';,<
8(D2,(18,3' 5,' 1,(32),3' 7845' ',)6' 1 (38;,)&A,'),?2*&)846'
&(;' 583' =58* 3 =56' 83' (*6' &4' 9&2*4' 8(' 45,' :&44,)' 8(' 45&4' 5,

_T ! #(' ' U

9&8*3' 4 '),1 ?(83,'45,'), : , ;8&*' D2&*846' 9' 3215' FH2;? : ,(43 G'
L &3' 8(;,,;' 5,' :8?54' A,' ,O=,14,;' 4 ' ; ' 75,(' 7,' 98(;'
58:',(2:,)&48(?' & : (?' 45,:' F'3(7'47 '9,,4';,,=' 8('45,'
34),,43' 9' *),(1,MG J L &' =5,(:,((' 8(',)9,14' &11);<
&(1,'5,'458(@3'7845'45,'F'=) =5,16G' 9' &' (&) *&'4 '45,'
,99,14' 45&4' &(6' &44,:=4' 4 ' ; ' &7&6' 7845' 45,' B),&4' 2(18*'
,34&A*835,;' A6' 58:' 35 2*;',(4&8*' 4) 2A*,' &(;';83&34,)'
F' ' 1))2=4' 8(' 4)245' 5&;' 45,' :&((,)3' 9' 45,' 48:w'
A,1 :,G' 1 (48(2,3' 45,' 5834:.8&('),42)(8(?' 9) :' 3=,12*&<
48 (3' (' 45,' :)&*' ? ',)(:,(4' 9' 45,'7)*;' 4 '45,'),?8 ('
9' 9&143'8(' 75815' 5,'83' &' :),' '&*2&A*,' &245)846' F'45&4'
45,')838(?' ?,(,)&48 (' (' * (?,)' &3' 8(' 45,' ? ;' *;' 48:,'
[75,(' ,33,)' B8 '&((8P3' 5&8)' 7&3' A*&1@' 8(34,&;' 9' ?),6]'
3 2?54' 75,(' 15 38(?' 45,8)' 78',3' '8)42,' : ;,346' ? ;'
A8)45')' A,&246' A24' * @,;' 4 ' : (,6' 3 *,*6' ' 45&4' 8(.C'
34,&;' 9' ,&15')&(@' :&))68(?' 7845' 843' ,D2&*3' (*6' &3' 7&3'
45,'1&3,' 8(' A,44,)' ;&63' [A3,)',' 45&4' 84' 83' &'),=2A*81&(' 9'
45,')&;81&*' 3)4' 75 ' 7)84,3' 4523]' &(6' :&(' 9' * 7' A8)45'
89' 5,'5&;',(2?5' : (,6' 1 2*;' &**6' 583' ;&2?54,)' 7845' &(6'
(A*,' 9&:8*6' 7,)3' 7,),' ?8',(' 9' """' #""""' &(;'
,',(' """"' 98)8(3M9' &(;' 45 3,' 75 ' 1 2*;' (4' 1 :: &(;'
45,3,' ,O4)&'&?&(4' 32:3' 7,),' 4 '45,' ;,3=&8)' 9' 9&45,)3' &(;'
: 45,)3'*,94' 2(:&))8,;G' (;' 45,'1 (3,D2,(1,'7&3'45&4'
45,),' 7,),' 45,(' 8(' *),(1,' 45),,' 45 23&(;' :&))8&?,&A*,'
?8)*3' 9)' 75 :' (' 523A&(;3' 1 2*;' A,'9 2(;L &(' 8(4 *,)<
&A*,' 34&4,' 9' 458(?3' 75815' *&4,)' ?,(,)&48 (3' :&6' 1 (38;,)'
45,:3,*',3' 5&==6' 8(' @(78(?' (458(?' 9',',(' 45 2?5' 84'
35 2*;' 5&','),D28),;' 348**' 3,',),)' H2;?:,(43' 45&(' 3(7'
47 '9,,4';,,=' 8(' 45,' 34),,43' 4 '1)),14' 45,:'Q
F' ::)&*846 G' 1 (48(2,3' 45,' 5834)8&(' F'(&42)&**6' 8(.

'* !6247'96>24' 3*9' ,=:'+,2'DD4'5' U[
1' 1' <8=' <66*').6.14,.69' 1<81' 8' 28G'<89' 36:6.12;' E66.' 58==69' G<,22;'
4.6%%6:1*822;' ,%:,*3=6'%,3' 1<6' 54D35,=6' ,% 36=1384.4.>' 1<4=' 6.,3) 41;'* 8'
:*34,*=' 4.=18.:6',%1<6'536+826.1'4968=' 8=' 1,' G<81'28G':,*29'9,' 8.9' G<81'41'
,*><1'1,'9,

1),&3,; 48(;,) 3215 18)12:34&(1,3 &(; ? 4 4 3215 &
5,8?54 45&4 7 :,(9 ,'8* *89, 7 2*; (4 A, 1 (4,(4 4
*8', 8(45&4 =&)4 9 45, 1846 75815 5&; A,,(&338?(,; 4
45,: A24 1&:, &(; *8',; 8(45, 34),,43 8(5&A84,; A6 45,
),3=,14&A*, C (; 75&4 7&3 :), =,348*,(48&* 348** G ?) &(3
5 (,34J &:A8 F 45,6 4 @ 4 7,&)8(? 45, ;),33,3 9 (2(3
&(; 1 (9):,; 45,:3,*',3 4 45, 5&A843 9 ;,1,(4 7 :,(
  45&4 45,6 1 2*; (* (?,) A,),1 ?(83,; 9) 75&4 45,6
7C,),G

:9)4&A*, 8(;,,; 83 45,),9*,148 (75815 (&42)&**6
T32??,343 843,*9 4 45, : ;,)((?*835 :8(; ( ),&;8(?
3215 458(?3 45&4 4583 ;,=*)&A*, &11 2(4 &==*8,3 4 &
;,&;.M&(;.? (, 34&4, 9 3 18,46 9&)),: ',; A 45 8(48:,
&(; 3=&1, 9) : 2) 7(

8 *,(1, 4 G =) 1,,;3 &:A8 1 :8(? 4 :&44,)3
:), E4 45, =2)= 3, &3 8(;81&48(? 45, 2)?,(4 (,1,33846 9
),9):&48 (8(45, ? ',)(:,(4 F 7&3)89, 8(45, 1846 4
3215 &(,O4,(4 45&4 89 &(6 1848>,(3 7,(4 4 45, :&?834)&4,3
9 = 51, 4 1 :=*&8(45,6 7,), *8@,*6 ,(2?5 4 A,
34&AA,; 8(45, 34),,43 45, (,O4 (8?54M) =,)5&=3 45,
:&?834)&4,3 45,:3,*',3),=*8,; 4 45,8) 1 :=*&8(43 A6 3&6<
8(? / 4P3 &** ',)6 4)2, M A24 7 2*; 9&8(A, &A*, 4 ,&15
:6 5 :, P (8?543 7845 24 A,8(? :2);,),; 75,(:6 4,):
9 9981, ,O=8),3P (; 3 45, 1 :=*&8(&(4 7&3 ;83:833,; M
&(; H23481, 7&3 : 1@,; 24 75&4 7&3 7)34 9 &** 45,3,
3&:, :&?834)&4,3 7 2*; &44,(;),&;8*6,(2?5 4 75&4 7&3
&3@,; 9 45,: ,',(89 45,),D2,343 7,), 9 45, : 34
8:=) =,) (&42), 89 8(4,),34 7,), :&;, 7845 45,:45) 2?5
45, 8(4,)',(48 (9 (, 9 45 3, ',)6 7 :,(75 3, 31&(<
;&* 23 1 (;214 7&3 45, 1&23, 9.3 : 215 :8315 8,9G

,4 45, F 8&?((,G 7)84,) 1 (38;,)3 &** 45,3, &A :8<
(&48 (3 4 A, H2;?:,(43 (45, *),(48(,3 9) 7835 8(? 4
15&(?, & ? ',)(:,(4 75815 &3 5, 1 :=*&8(3 &14,; 4523
&A :8(&A*6 4 1&(31&)1,*6 A, 7 (;,),; &4 45&4 &1 :<
:2(846 4523 ? ',)(,; 35 2*; A, &=4 4 458(@ 45&4 &(6

W W A) 45,) 8,4) (7 8(583 47,(46.98)34 6,&) 7,), (4 3 =&48,(4 (45 3,98)34 ;&63 9 ,=4,:A,) (4 (9)&(1,31 ;,?*8 *A8>>8 8:=&48,(4 9 45,8(4)8?2,3 ? 8(? (A,47,,( )&4 &(; *),(1,7,(4 89 9 583 7(&245)846 4 45, 9):,) 1846 J &(; A) 2?54 A&1@ B82*8&(; ,P ,;818 &(;),(> 7845 58:4 583 7(5 23,8(*),(1,A,9),45, 3,(4,(1,. 9 ,O8*,2(;,)Y75815 45,6 *&6 5&; A,,(),?2*&)*6 &(; 9):&**6),=,&*,; 4)814*6 5,5&;*&8;58:3,*9 =,(A6 4523 ; 8(? 4 &** 45, =&8(3 &(; =,(&*48,3 92*:8(&4,; &?&8(34 45 3,75 35 2*;5 *;1 ::2(81&48 (7845 ,O8*,3)8(&(6 7&6 1 :=&33)=* 4 9)45,8)),42)(24 84 7&3 =),446 1*,&)5 7 458(?3 7,), ? 8(? 8(45, 1846 &(; 45&4 45, 6 2(? *A8>>8 7&3 (4)2((8(? &(6)83@ 5, :,:A,)3 9 45&4 ?),&4 9&:8*6 5 7,',) 45 2?54 84 (,1,3< 3&)6 4 1&** &9&:8*6 :,,48(? 4 ,O=),33 45,8) ;83&==) A&< 48 (&(; ;83=*,&32), &4 45, 34,= 45,8) @8(3:&(5&; 4&@,(M &(; 45,6 3,(4 47 9 45,8) :,:A,)3 &3 &;,=24&48 (4 45, 8?( )6 ,01238(? 45,:3,*',3 &(; ,O=*&8(8(? 45&4 (4 (< 9)&(1,31 5&; &14,; ,(48),*6 (583 7( ),3= (38A8*846 8(45, :&44,)

24 45,), 7&3 (;&(?,) (45, 3,1 (; ;&6 &94,) 45,8) &))8'&* 8(45, 1846 B82*8&(&3 &:A8 4,**3 23);,),; 9 45,4&8*) &1848>,(P3) A, 9 =2)=*,*8(,; 7845 38*@ &(;),(> &A*&1@) A, &(; ; 2A*,4 9 1)8:3 (3&48(M 45,8) =),'8 23 1* 458(? 5&'8(? A,,(84 :234 A, 2(;,)34 ; 9 &9&358 (;899,),(4 9) :45&4 7)(A6 *),(48(,1848>,(3 45, 15&)&14,) 9 75815 45,6 7,), (7 4 &332:, 523 &448),; 45,47 6 2(? :,(1&:, =,(*6 24 8(4 45, 34),,43M &(; 4&@8(? 7845 45,: & 1 2=*, 9 1848>,(3 9)8,(;3 9 45, 9&:8*6 7845 24 &(6 45,)),48(2, 7&84,; (45, 8?( )6 &(; 38:=*6),D2,34,; 45&4 45,8) 3,(4,(1, 9 ,O8*, 35 2*; A,),:844,; &(; 45&4 45,6 35 2*; A,),34),; 4 45,)8?543 9 1848>,(358=M &

; , : &(;' 75815' 7&3' =24' 4 ' 45,' ' 4,' &11) ;8(?*6' &(;' =&33, ;' 2(&(8 : 23*6

' 75815' : 8?54' A,' ' ,)6' 7 ,'9)' &' 38 : =*,' 3 *;8,)' *8@,' B82*8&(' &(;' &' A 6' *8@,'), (> ' 24' 45,' 47 ' =)8,343' 45,' &) ;8(&*' &(;' 583' 1 238(' B82*8 ' 7&(4, ;' &' ?),&4' ; ,&*' :),' 45&(' 4583' 5,6' 7&(4, ;' 4 ' 3, ,' 45,8)' 7&6' A&1@' 4 ' 3 ' ,),8?(46' &(;' ;8;' (4' 15 3,' 4 ' ,(4,)' 45,' 1846' 48**' 45,6' 5&;' 3299818,(4*6' =),=&), ;' : &44,)3' 4 ' : &@,' 45,8)' 1 2)3,' 1*,&)' A,9),' 45, :

5,),' 7&3' &(45,)'), : &)@&A*,' *),(48(,' 1848>,(' *8(?,)< 8(?' 45,),' 8(')&4 ' 8(' 1 : =&(6' 7845' 45,' 47 ' =)8,343 . L&' : &(' 75 ' 7&3' 45,(' A,?8((8(?' 4 ' 98**' 45&4' =) : 8(,(4' =&)4' 8(' 45,' 5834)6' 9' 583' 1 2(4)6' &(;' 8(' 45,' ,6,' 9' 583' 1 (4, : < =)&)8,3' 75815' 5,' 1 (48(2, ;' 4 ' 112=6' 48**' 583' ; ,&45' 583' 7&3' 8*8== ' 4) >>8' 3 (' 9' 45,' ?),&4' A&(@,)' 45,' 9 2(; ,)' 9' 45,' 348**' 7 ,**.@(7(' 4) >>8' =&*&1,' &(;' 9' (,' 9' 45,' 45,(' *&)?,34' 9)42(,3' 8(' *),(1, ' ,' 7&3' (7' (*HKC 47,(46.47 ' (,' 6,&)' *; ,)J45&(' 583' A) 45,).8(.*&7'),(> M 9)' 8*8== ' 4) >>8' 5&;' ' ,(42), ;' (' 45,' ;&(?,) 23' 34,=' 9' : &))68(?' *&)81,' 45,' 3834,)' 9'),(> ' , ;818' 7558*,' 45,' 9& : 8*6' 6,4' *&6' 2(; ,)' 45,' A&(' 9' 45,J ,=2A*81' ,' 5&;' 45,),A6' 8(12)), ;' 45,' 3, ' ,),' ;83=*,&32),' 9' 45,' ? ' ,)(: ,(4M 583' 1 (;214' 5&;' A, ,(' 32A : 844, ;' 4 ' &(' 8(D283848 (' &(;' 5,' 5&;' 7845' ;899812*46' ,31&=, ;' :),' 3,)8 23' =,(&*48,3' &4' 45,' 1 34' 9' &' 98(,' &(;' &' 35)4' A&(835 : ,(4' 24' 45,' 6 2(?' 4) >>8' 5&;' &*),&;6' 35 7(' 58 : 3,*9' 4 ' A,' &' =)2; ,(4' 1&*< 12*&4)' &(;' 9&).3, ,8(?' = *84818&(' &(;' 7&3' (7' &4')&4 ' 45,), ' * @8(?' 24' Q ' 45,'),&=8(?' 9' 45&4' 5&)',34' 75815' 5,' 5&;' 3 7(' 7845' 3215' 9),1&34' 8(' ',)6' ;899,),(4' 48 : ,3' 8*8== ' 45 2?5' (*6' 47,(46.47 ' ;8;' (4' &11 : =&(6' 45,' 47 ' 6 2(?,)' ,;818' 8(4 ' *),(1, ' A24'), : &8(, ;' 7845' 45,' 3,(8)3' 9' 45,' 9& : 8*6' F' D28,4*6' 7&4158(?' 45,' 1 2)3,' 9' 458(?3' &(;' 7&848(?' 48**' 45,6' 35 2*;' 3, ' 984' 4 ' 4&@,' 58 : 8(4 ' 45,8)' 1 (98; ,(1, G'),(> ' 4) >>8' 583' 6 2(?,)' A) 45,)' &(;' A8 ?)&=5,)' 75 ' 7&3 L C5;' &4' *,&34 L &' 38(1,)' '),=2A.

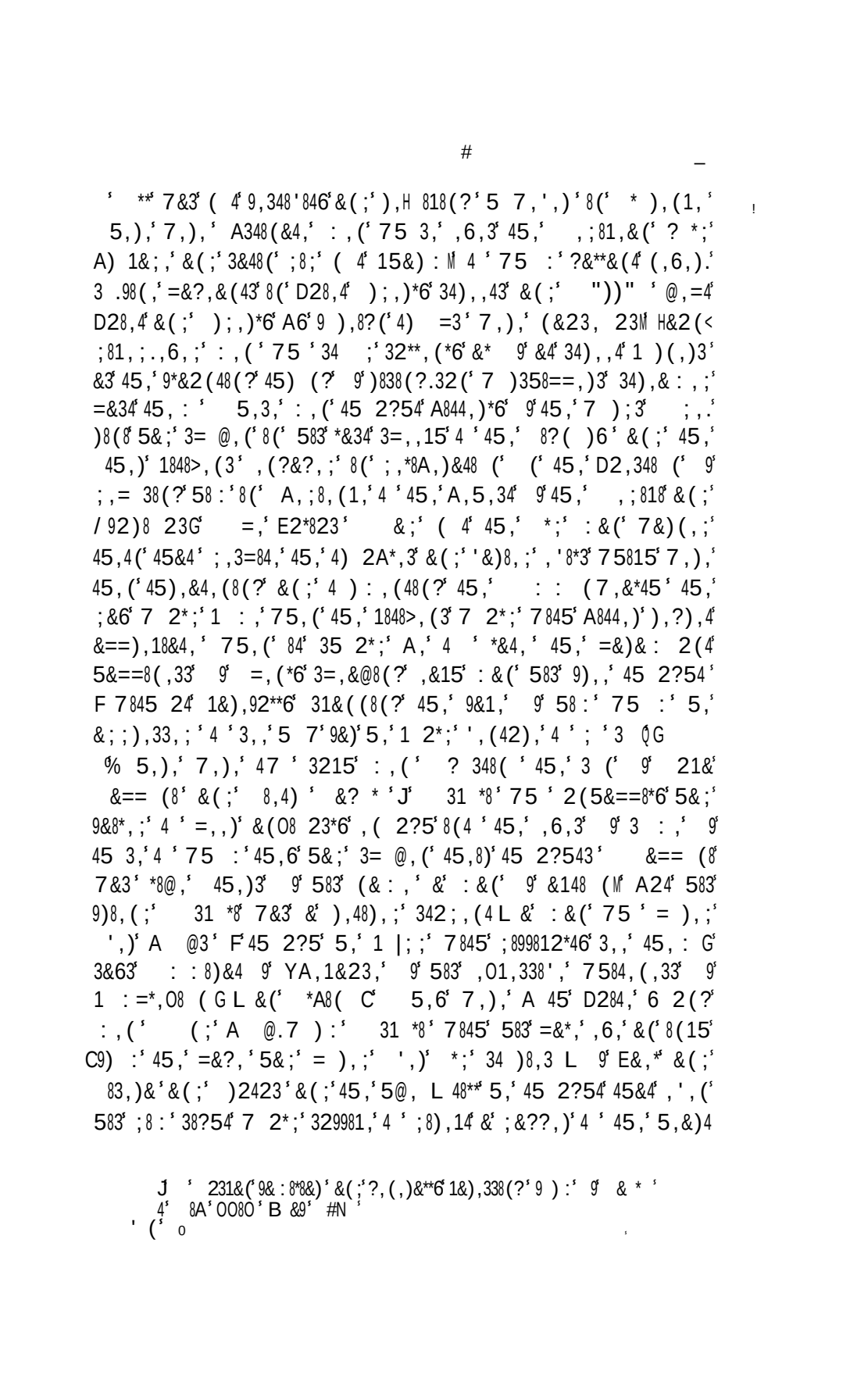
I # *81&(' &' F' 8&?((, G' &(;' 1 (3834,(4' 5&4,)' 9' 45,' ,;818' 45 2?5' 8(1 (3834,(4*6' &' ;,' 4,;' &;:8),)' &(;' &= * ?834' 9' 583' A) 45,) L),(> ' 4) >>8' &332),3' 23' 45&4' 583' A) 45,)' *8(?,),;' 8(')&4 ' F' 8(' 45, 5 =,' 9' A,8(?' 3,)'81,&A*,' 4 ' 583' 1 2(4)6 G' (;' :,(' 458(@' 45&4' 1 2(4)8,3' :&6' A,' 3,8',;' 8(' 3215' ',)6' ;899,),(4' :&((,)3' 45&4' 84' 83' 5&);' 4 ' 3&6' 9' &(6' =) 9,338(?' =&4)8 4' 45&4' 583' 1 2(4)6P3' A,(,984' :&@,3' (' =&)4' 9' 583' AH,14

4' *&34' (' 45,' -45' 9' ,=4,:A,) J' 45,' &);8(&*' &(;' 583' 1 238(' B82*8 ' &;'&(1,;' 9) :')&4 ' 4 ' *),(1,' &(;' ,(4,),;' 45,' 1846' &3' &)&A8'),1);3' F' (4' 7845' =) 1,338 (3' 9' 45,' ?28*;3' 9' 45,' 1846' &3' 7&3' 1234 :&)6' A,8(?' &3' 45,' &);8(&*' 7&3' 45,' =,P3' ,?&4,' 9)' 231&(6' A24' 7845' &(' ,31)4' 9' :,(.&4.&):3' &(;' &'),48(2,' 9' * ?(,3,' 8(9&(4)6 G9' 38?(8981&(4' 18)12:34&(1,3' 9' 75815' 45,' 1848>,(3' ;8;' (4' 9&8*' 4 ' &==),18&4,' 45,' 92**' :,&(8(?' &(;' 8:=)4&(1,' (;' 45,' 3,D2,*' 1 (3834,(4*6',(2?5' 1&))8,;' 24' 45,' =) :83,3' 9' 4583' A,?8((8(?' (' 45,' 9 ** 78(?' ;&6' 45,' 0" ")) ' 0' ' 7&3' D28,4*6' &(;' ?)&;2&**6' 98**,;' 7845' &):,;' :,(M' 45,' B),&4' 2(18*' 45,' =&**&;82:' 9' *),(48(,' *8A,)46' 8(' 45,' ,6,3' 9' 45,' 1848>,(3 J' 7&3' ;833 *',;' &(;' &A *835,;'M' &(;' 45 2?5' 45,' 2(18*' 9' 8?546' 45,' 8?( )6' &(;' 45,' 45,)' =)48 (3' 9' 45,' *;' *),(48(,' 1 (3484248 (&*' ? ',)(:,(4' 7,),' *,94' 9)' 45,' =),3,(4' (:8(&**6' 8(4&14' 45,' 32=),:,' = 7,)' 7&3' * ;?,;' 8(' 45,' 5&(;3' 9' &' 3:&**A &);' 1 :=3,;' 9' 1),&4:P,3' 9' 45^' ,;818

523' (1,' &?&8(' &94,)' &(' ,O8*,' 9' ,8?54,,(' 6,&)3' 45,' 9&4&*' ,;818' 7,),'),34),;' 4 ' *),(1,M' (1,' &?&8(' 98O,;' 45,8)' 9&(?3' 8(' 45,' =),6' 45,6' 5&;' A,,(' 31&),;' &7&6' 9) :' &(;' F' 45,' :34' ;,:1)&481&Q' ;,:1)&16' 8(' :P=,' G' 7&3' (1,' &?&8(' :2>>*,;' &(;' 15&8(,;' ' 1 (3=88P&16' 9' =)8,34' &(;' 3 *;8,) L 45&4' ;,4,34&A*,' &(;' :8(23' 1 :A8(&48 (' :),' A&*,92*' 4 ' 52:&(846' 45&(' &(6' 45,)' 9' 45,' =83 (23

: 83158,93 1 : = 2(; , ; 24 9 843 , '8 =&338 (3 &(; A*8(; 342=8;848,3 L 5&; &3 232& 4)& : =*, ; 24 45, 5 =,3 &(; = 338A8*848,3 9 3 18& 18 '8*8>&48 (&(; =) ?),33 4 45&4 ; , : 1)&481 *), (1, 5&; &; '&(1, ; : 215 4 7&); 3 45, ; 83< 1 ',)6 9 &(6 4)2, =)8(18=*,3 9 *8A,)46 $ 5&', 3, ,(45&4 45, 1848>, (3 75, (*,94 4 45,8) 7 (?28;&(1, 5&; A24 ',)6 8 : =,)9,14 (48 (3 (45&4 32AH,14 0 , 5&', 3, ,(45&4 9) 7&(4 9 &(6),&), ',),(1, 9) 52 : &(=8(8 (75815 83 &' '8)42, 5&); *6 4 A, &44&8(, ; 4 A6 &' =, =*, ; 4)&8(, ; 8(&(; : 2*; , ; A6 45, &45 *81), *8?8 (&' 9), , 4&4, 7&3 &11); 8(? 4 45,8) 8; ,&3 (, 8(7C5815 &' *&)?, (2 : A,) 9 843 : , : A,)3 7&3 =,) : 844, ; 4 35&), 8(45, *202)6 9 46)&((8>8(? (; 7, 5&', A, , (9)1, ; 4 45, 1 (1*238 (45&4 8(9&14),& 8(; 8'8; 2& *8A,)46 9 &148 (&(; ; , ', * = : , (4 75815 1&((*6 A, &332), ; A6 &' =58* 3 =581& 8(4, **8?, (1, 9 45, ; 2, *8 : 843 4 45,)8?54 3 18,46 5&3 4 1 (34)&8(8(; 8'8; 2& 78** 7&3 (, &)*6 &3 : 215 2(@(7 (4 45, : 8(45,8) 8(4,) '&*3 9/=2),) ,=2A*81&(83 : &3 2(; ,) 45,8) 46)&(43 ** 4583 83 4)2, 24 8(45, 9) : ,) 1 (; 848 (45,8) 3 18& 3634, : 7&3 =*&3481 H 8(45, *&44,) 84 7&3)8?8; , (45, (, 1&3, 45,), 7,), : ', : , (4 15&(?, 1 : =, 4848 (1 **838 (9 : 8(; *89, &(; 45,), 9), 45, &332), ; 5 =, 9 =) ?), 33 &(; ; , ', * = : , (4 (45, 45,) 45,), 7,), 98O, ; < (, 33 34&?(&48 (&A3, (1, 9 5 =, 45, 8 : = 338A8*846 9 ; , ', * = : , (4 &(; =) ?), 33 ; , &457&); 3 (*6 (; ,) (, 3, 4 9 18)12 : 34&(1, 3 45, *8D2) 7&3 8(&' 34&4, 9 9,) : , (4&< 48 (&(; 7 2*; 5&', 7)@, ; 843, *9 1*, &) (; ,) 45, 45,) 84 7&3 34&?(&(4 &(; 5&34, (, ; 4 7&); 3 ; , 1&6 &(; =24)8; 846 5, , ; 818 7,), 8(45,8) ? (1,34)& =&*&1, 8(45, 8& &)?&M 45, 0" ")) 0 7&3 92** 9 34)&(?, 4) =3 M 45,), 7,), 3 *; 8,)3 8(45, 0 "))" 3 *; 8,)3 &4 45, ?&4, 3 3 *; 8,)3 8(45, 34), , 43 3 *; 8,)3 , ',)675,), (; 45, (45, *; 9&)1, 75815 5&; A, , (=*&6, ; 3 94, (&(; 75815 45, 1848>, (3 : 234 32), *6 A6 4583 48 : , 5&', 7, ** @(7 (4 A, & 9&)1, 7&3 =*&6, ; ',)&?&8(5, ?), &4 A, ** 9 45, =&*&1,

8(' 45,' &;'&(4&?,3' 4 ' A,' ;,)8',;' 9) :' F' A,* (?8(?' 4 ' 45,' '
? ',)(:,(4 G' 4 ' A,' ,(H 68(?' 3 :,' =),.,:8(,(1,' ',)' 583'
9,** 73' &(;'),&=8(?' 45,'),7&);' 9' 583' &;5,),(1,' 4 ' 45,'
,;81,&(' 9)42(,3' 8*8== ' 4) >>8' (' 75 3,' 6 2(?'
35 2*;,)3' 7&3' (,' 9' 45,' * (?,34' 5,&;3' 45&4' ;&6'8(' * <
),(1,' 5&;' (' 9 1,' (47845 34&(;8(?' 45,' 1* 3,(,33' 9' 45 3,'
* (?' 1* 3,48(?3' 7845' 45,' &);8(&*' &(;' 583' 1 238(' B82*8 ' &4'
)&4 ' &(;' (47845 34&(;8(?' 583' ,;81,&(' 789,' 5,' *,33'
3&?&18 23' 9)8,(;3' 9' 45,' 4) >>8' 9&:8*6' 7,),' 8(;8?(&(4' &4'
4583' (,?*,14' 24' 8*8== ' @(,7' ',)6' 7,**' 75&4' 5,' 7&3'
&A 24' ,' 7&3' 7,**.:8(;,;' 4 ' 5&',' 583' 35&),' 9' 45,'
15,3(243' A24' 5&;' (' 8(4,(48 (' 75&4,',)' 9' =2448(?' 583'
7(' 5&(;' (,&)' 45,' 98),' 9)' 45,' =2**8(?' 9' 45,:' 24'
&?(8981,(4*6' ;)&=8(?' 58:3,*9' 8(' &' :&(4*,' 9'),=2A*81&('
'8)42,' 75,('45,'9)8,(;3' 9' 583' 9&:8*6'3 :,75&4'3(,,)8(?*6'
1 (; *,' 7845' 58:' (' 583',O1*238 ('9) :' 45,' 5 (2)3' 9' 45,'
(,7' ? ',)(:,(4' 5,' 3&63' [*&@8(?' 1&),' 4 ' A,' ',)5,&);' A6'
&' 98448(?' &2;8,(1,' 9' A634&(;,)3]' F' '6 2' (4' @(7' :6'
9)8,(;3' 45&4' *),(1,' 5&3' A,,(' 3 *;b' (;' 83' 84' 4 ' A,'
,O=,14,;' 45&4' ' 75 ' 7&3' (4' (,' 9' 45,' 3,**,)3' 35 2*;'
),1,8',' &(6'=&)4' 9' 45,' =)81,' b' P' J
),3,(4*6' 5 7,',)' 75,(' (' 45,' =@45' 9' ,A)2&)6 '
' F' 45,' 92)8 23' (&42),' G' 9' 583' *8(,33' =,' E2*823' '
7&3' D28,4,;' 9)' ,',)' &(;' 2)' &);8(&*' = 343' 2=' 8(' &**'
5&34,' 4 ' :,' 4 ' 3,' 75,45,)' :&65&=') '8;,(1,' 8('45,'
244,)' 8(31)24&A*,(,33' 9' 843' 783;:' :&6' 1 (38;,)' 58:'
B8 '&((8';,P ,;818' &3' 45,' A,34' &(;' 9844,34' =,)3 (' 4 ' A,'
,(4)234,;' 7845' ,&',(P3' 81,?,),(16' (' ,&)45' 2)' =)2<
;,(4' 6 2(?' 9)8,(;' 8*8== ' 4) >>8' &11 :=&(8,3' 58:' ('45,'
H 2)(,6' &3' 583' 9)8,(;' 1 :=&(8 (' &(;' ' A&(@,)'
3=,18&**6' 8(' 4583' *&34' 1&=&1846' 7&3' 8*8== ' (,1,33&)6' 4 '
45,' &3=8)8(?' &);8(&*' 3 ' 3 (' 4 ' A,1 :,' =,' A6' 45,'
?)&1,' 9' B ;' &(;' 45,' 1&=84&*' 9' 4) >>8



4 ' 7 , , = M' & (;' 3&8 ; ' / 5 ' 7 2* ;' 45&4' 5 ,' 7 ,),' 6 , 4' *8 ' 8 (?Q' # W W
24' B ;' ?&45 ,) 3' 8 (' 583Q' 9) 284' 8 (' ; 2 , ' 3 , &3 (' ' 5& ' ,' (, ' ,)' 5& ' ,' A , , ('
@ (7 (' &' :) ,' ' 8?) 23' : 8 (; ' ' 35 2* ;' (, ' ,)' 5& ' ,' A , , ('
&A* ,' 4 ') , 1 , 8 ' ,' &' ?, (,) &* 1 (9 , 338 (' 8 (' 45&4' (836' =*&1 , J'
[9)' ? 348 (' 6 2' @ (7 ' (, ' ,)' 1 , &3 , ;' 1) 68 (?' &* 2 ;' &(;'
') , 1 : : , (; 8 (?' 58) A3 , *9' 4 ' B ; ' 8 (' 3215' &' 7 &6' 45&4' ' 1 2* ;'
(4' &==) ' ,' 9' 84] M' ' 1 2* ;' (, ' ,)' 5& ' ,' 1 (9 , 33 , ;' 58 : ' 8 ('
45 ,' : 8 ; 34' 9' 3215' &' (83 , ' ' 3&6' 89' 5 ,' 5& ;' (4' 5& ;' &' ' ,) 6'
= 7 ,) 92* : 8 (; ' 4' 329981 , ;' : ,) , *6' 4 ' 58 (4' &' 458 (?' 4 ' 58 : '
' 7 , =4 P &; ; , ;')&' 8=) 8& (' / &* : 34' 2 (1 , &38 (?*6' 9)' , 8?54'
; &63 M &(;' 1 2* ;' (4' 3&48&4 ,' : 63 , *9' '845' 4 , &) 3 ' 3 ' : 215'
* ' ,' ; 8 ;' 5 ,' 78 (' 9) :' : ,' ; 2) 8 (?' 45&4' (8?54 P ' 45 , (' &3@ , ;'
58 : ' 75&4' =8 (8 (' 5 ,' 5& ;' 9) : , ;') , 3 =, 148 (?' 583' 3 2*' D ,'
&(37 ,) , ;' 8 (, ' / ' 98) : *6' A , *8 , ' ,' 45&4' 5 ,' 83' & : (?' 45 ,'
A* , 33 , ; ' & (;' 5&3' (4' 5& ;' 4 ' ? ' 8 (4 ' 28 ?&4) 6 ' (;' 4 '
4 , *' 6 2' : 6' 7 (' =8 (8 (' ' [A24 P 3&8 ;' 5 , ' / 45 , 3 , ' &) , '
(4' 458 (?3' 4 ' 4&*@' &A 24M 9)' 45 , (' : , (' 3&6' 45 , 3 , ' 9) 8&) 3'
&*7&63' : &@ ,' 24' 45&4' 458 (?3' ? ' &11) ; 8 (?' 4 ' 45 , 8)' 7 ('
=8 (8 (3' &(;' 36 : =&458 , 3M 5 7 , ' ,)' ' 78** 3&6' 84' 4 ' 6 2' A24'
@ , , =' 84' 4 ' 6 2) 3 , *9]' ' ' A , *8 , ' ,' 45&4' 5 ,' 7&3' A , 6 (;'
& ' ; 2A4' &' : &) 46) M 9)' ' 9 2 (;' 8 (' 58 : ' &(' , O1 , ** , (4' &(;'
: 34' 1 2) &? , 23' 8 (4 , (48 (' 4 ' 3215' &' ; , ?) , , ' 45&4' ' 7&3'
&34 (835 , ;' &4' 84 ' ,' ' ,)6' 32) , ' 21&' 45&4' 45 ,) , ' &) , ' ' ,) 6'
9 , 7' A) (' *8@ , ' 58 : ' ,' 7&3' &' 6 2 (?' : &(' 9' 8 (98 (84 , ' 98) : <
(, 33 ' &(;' 9' , O1 , ** , (4' 8 (4 , (48 (3 ' (;' &3' 9)' 45&4' : &44 ,) ' '.
45&4' 6 2' 3= @ , ' 4 ' : ,' &A 24' 45&4' (8?54 ' 45&4' ' : 234' (4'
9) ?, 4' 45&4' 1 (3=8) &18 , 3' &) , ' 2 (*&792*M *, 4' : ,' 4 , ** 6 48J 45&4'
4 ' 5 : &3' : &@ , 3' 4583' ; 8348 (148 (L , 845 ,)' 46) &(43' &) , ' 3 , 4'
' ,)' (&48 (3' A6' 45 ,' &14' 9' 45 ,' =, =*,' 45 , : 3 , *' , 3 ')' 45 , 6'
) , 8?(' A6' 9) 1 ,' &(;' 32 ; ; , (' '8 *, (1 ,' 8 (' 3=84 ,' 9' 45 ,' 78** 9'
45 ,' =, =*, ' (' 45 ,' 98) 34' 1&3 ,' 84' 83' (4' *&792* 4 ' 1 (3=8) ,

I' 5 ,' 1 (; , : (, ;' 1 ,** 9' 45 ,' &)?, ** ' 75 ,) , ' 84' 35 2* ;' 3 , , : ' '&) 8 23'
'8384)3' 7 ,) , ' &** 7 , ;' 4 ' A , ' 7845' 45 ,' : , (' &A 24' 4 ' ; 8 , ' ; 2) 8 (?' 45 , '*&34' (8?54M'
L 45 ,' F ,) 8 G' 75 3 ,' 9981 ,' 84' 7&3' 4 ' 1 : 9) 4' 1 (; , : (, ;' =) 83 (,) 3' &(;'
45 ,) 3 L ? 348 (' ; 8 ? 348 (' &== (8' 45 ,' 45 ,)' =) 83 (,)

[# ! 38 : (6 G J L 45 2?5 84 : &6 A, 9&8)*6 323=,14, ; 45&4 89 84 5&; (4 A, , (' & *), (48 (, &); 8 (&* 75 5&; 4)&', **, ; 2= 4 : , (' 5, &)8 (? 45, (, 73 9 45, (4899P3 ; , &45 7845 &' T 7, &*456 &(; ; 833 *24, 6 2 (? A&(@,) 9) 583 4)&', **8 (? 1 : C =&(8 (75 3, 1&=84&* 7&3 (4)8 23*6 4 A, 23, ; 4 32==)4 45, , *, 148 (4 45, '8)42 23 8&?((, 7 2*; 5&); *6 5&', A, , (3), &; 6 4 &A3 *', 58 : 9) : &** 34&8(' 9 38 : (6 5, 1846 7&3 ; , *8?54, ; 7845 45, , *, 148 (' 9 45, *), (< 48 (, = , *844*, 9), 3, , 8 (? 5 7 8 : =)4&(4 &' 34, = 45&4 , *, 148 (' 7&3 8(' 45, 15&8(' 9 , ', (43 45&4 7&3 5 : P)68 (? (' 45, 98 (&* ; , 34)2148 (' 9 , ', (' 45, , : =46 9) : 9 45, ; , 1), =84 $A,)46 9 45, : : (7, &*45 4 7&3 (4 3 : 215 45&4 45, , *, 148 (' 9 , % , (&A*, ; 45, , ; 818 4 , 34&A*835 45, : 3, *', 3 98) : *6 8(' 45, = 3848 (' 45, 6 5&;), 1, (4*6), < ?&8(, ; &3 45&4 45, , *, '&48 (' 9 , 8(' 3, 187, ; 45&4 9 B82*8 583 1 238(' &3 *, : , (4 4, (' 6, &)3 *&4,) &(; 4523 =24 45, *&44,)' 8(' & = 3848 (' 4 4)&9981 7845 45, : =,)) 5&)*, 3 (' 45, A&383 9 3, 12)8 (? 45, 2@, ; : 9 *), (1, 7845 ; , 3= 481 = 7,) 9) 45, 8**, ?848 : &4, 3 (' 9 45, =, : &))8, ; 4 45, 8**, ?848 : &4, ; &2?54,) 45, : =,)) 5, 98)34 &14 9 , % 7&3 4 1), &4, 583 1 238(' B82*8 &' &); 8(&* ; , 3=84, 45, 1&((' 75815 , 01*2; , ; (, 9 8**, ?8< 48 : &4, A8)45 9) : 45&4 ; 8?(846 (; 3, ',)&* 45,)' *), (< 48 (, 3 7,), (: 8(&4, ; &4 45, 3& : , 48 : , 5, &A3 *24, ? ',)(: , (4 9 45` 1846 5&; ' IA6 4583 48 : , A, 1 : , 1, (4), ; &* : 34 , (48), *6 8(' 45, 5&(; 3 9), (> 45, , *; , 34 3 (' 9 8, 4) 5, &); 8(&* B82*8 152)15 : &(' &3 5, 7&3 7&3 &' 9844,)' : &(' 4)2*, 45&(' 45, =) 9*8?&4, 6 2 (? 31&=, ?)&1,), (> 9) 5, 5&; &4 *, &34 1,)4&8(' & : 2(4 9 8(4, **8< ?, (1, 5&A843 9 A238(, 33 &(; 8(; 234)6 24G45, , ; 818 =), 9,)), ; 45&4 45, 32=), : , = 7,)' 35 2*; &4 & , ', (43

34,(38A*6' A,' ',34,;' 8(' 4A,' A,&;' 9' 4A,' A 23,' A,1&23,' 4A,' ! (48 (' &(;' =)&1481,' 9' &(' 5,),;84&)6' 3 ',),8?(46' 8(' 4A,8)' W W 9&:8*6' 7&3' 4523' 9 34,),;' &(;' A28*4' 2=

',)6458(?' 7&3' ; (,' 45,),9),' 4 ' ,(5&(1,' 45,' ;8?(846' &(;' ?),&4(,33' 9' 45,' 8(5,)84)' 9' 45,' ,;81,&2' 9)42(,3' 4' 7&3' 348 ' =),:&42),' 4 ' ;,1*&),' 58:' 3 ',),8?(' =)8(1,' 9' 45,' ,=2A*81' 7845' 45,' 346*,' 9' 2@,')' &(6' 45,)' 3215' 9,2;&* 484*,' 24' 84' 7&3' = 338A*,' 4 ' ?8',' 58:' =)8(1,*6' :854&)6' &(@' &3' 7&3' ; (,' A6' :&@8(?' 58:' B,(,)&*' 7845' 32=),:,' &(;' &A3 *24,' &245)846' 9' &** 45,' 231&(' 9)1,3' 1 (4)8A24,;' A6' 45,' : : (7,&*45' 4 ' 45,' &):8,3' 9' &'(,7' *,&?2,' 9):,;' 8(' ' A6' 45,' :=,))' 45,' $8(?' 9')&? (' 45,' 2@,' J' 9' 8*&(' &(;' 45,' *),(48(,3' &?&8(34')&(1,' &(;' ,(81,' (' 45,' 34' 9' E&(2&)6' ' 283' % ' 9')&(1,' 5&;' ;8,;' &(;' 7&3' 3211,,;,;' A6')&(183' ' 75' 3 (' :&(89,34,;' 583' 8(4,(48 (' 9' *,&;8(?' 45,' &):8,3' 9')&(1,' (1,' &?&8(' &1) 33' 4A,' *=3' 5,' 6 2(?' :(&)15' 7&3' 98),;' 7845' 45,' &:A848 (' 9' :&@8(?' ? ;' 45 3,' 1*&8:3' 75815' 5&;' 4,:=4,;' 283' 4 ' 3 ' :&(6';83&34,)3' &(;';83< ?)&1,3' (;' 45,';&(?,)' 75815' 4523' :,(&1,;' 4&*6'&9),35' (,1,3384&4,;' &'),(,7&* 9' 45&4' 9):8;&A*,' *,&?2,')8?8(&**6' 9):,;' 2(;,)' 45,' &23=81,3' 9' E2*823' '),(> '),1,8',;' 45,8(38?(8&' 9' 583' (,7' 9981,' (' 45,' #45' 9' 2?234' ' M &(;' :215CA 24' 45,' 3&:,' 48:,' B82*8=' ;,P ,;818' 45,' (,7' &);8(&*' 7&3' &== 8(4,;' 4 ' 45,' 8:=)4&(4' 9981,' 9' ,?&4,' 9' * ?(&

5,' =,' 9)42(&4,*6' &3' 84' 42)(,;' 24' 9)' 45,' 8(4,),343' 9' 4&*6' 5&;' (4' 9):&**6' H 8(,;' 8(' 45,' (,7' *,&?2,' &?&8(34')&(183' 9,,*8(?' (4' 8(;83= 3,;' 4 ' 9)8,(;*6'),*&48 (3' 7845')&(1,' 45 2?5' 92**6' =2)= 3,;' &3' 9&)' &3' 8(' 58:' *&6' 4 ' =),<' ,(4' 45,';2156' 9' 8*&(' 9) :' 9&**8(?' 8(4 ' 45,' 5&(;3' 9' &(6' 4)&(3&*=8(,' = 7,)')&(183' (' 583' =&)4' 5&;' ,(;,&' 2),;' 4 ' 8(;21,' 45,' (4899' 4 ' &?),' 4 ' 583' '8,73' (' 8*&(' &'&8*.

J &O8:8*8&(' 9)>&' 45,' 3 (' 9' 2; '81 '),34),;' 4 ' 583' 9&45,)P3';2156' &94,)' 45,',O=2*38 (' 9' 45,'),(15' A6' 45,' *,&?2,' 9):,;' A6' E2 &3'

[‘ # ‘ ‘ ‘ ‘ ‘

! W W 8(?‘ 58 : 3,*9‘ 9)‘ 45,‘ =2)= 3,‘ 9‘ 4583‘ (,? 48&48 (‘ 9‘ 45,‘ 9& : 8*6‘ 1 ((,148 (‘ 75815‘ ,O834,;‘ A,47,,(‘ 58 :‘ &(;‘ 45,‘ ,;818 J‘)‘ B82*8&(‘ 5&;‘),1,(4*6‘ : &))8,;‘ 8*8A,)4&‘ 45,‘ 3834,)‘ 9‘ 5&)*,3‘ 2@,‘ 9‘ &' 6‘ &(;‘ 9‘ 283&‘ 45,‘ : 45,)‘ 9‘)&(183‘ ‘ 8 4‘ 83‘ A3,)'&A*,‘ 45&4‘ 7,‘ 5,&)‘ (458(?‘ :),‘ (‘ 45,‘ 11&38 (‘ 9‘ 4583‘ : &))8&?,‘ 9‘ 45,‘ *&7‘ 75815‘ =) < 58A84,;‘ &‘ *),(48(,‘ 1848>,(‘ 9) :‘ 8(4,) : &))68(?‘ 7845‘ &(6‘ : , : A,)‘ 9‘ &‘ 9),8?(‘ =)8(1,*6‘ 9& : 8*6‘ (;‘ 8(‘ 45,‘ 15&(?,;‘ 18)12 : 34&(1,3‘ 9‘ *),(1,‘ &(;‘ 9‘ 4&*6‘ 84‘ 7&3‘ =,)5&=3‘ &3‘ 7,**‘ 9)‘ 45,‘ 8(4,),34‘ 9‘ 45,‘ 1846‘ &4‘ 45,‘ =),3,(4‘ 1 (H2(142),‘ 45&4‘ 45,),‘ 35 2*;‘ ,O834‘ 4583‘ = 8(4‘ 9‘ 1 (4&14‘ A,47,,(‘ 45,‘ ,;81,&(‘ (4899‘ &(;‘ 45,‘),(15‘ @8(?

5,‘ (,? 48&48 (3‘ 75815‘ 4 @‘ =*&1,‘ (‘ ,845,)‘ 38;,‘ 7,),‘),(;,),;‘ 9)284*,33‘ &3‘ 9&)‘ &3‘ 45,‘ ;2156‘ 9‘ 8*&(‘ 7&3‘ 1 (< 1,)(,;‘ A6‘ 45,‘)&=8;846‘ 9‘ 45,‘ 3211,33,3‘ &158,',;‘ A6‘)&(183‘ (‘ 45,‘ 45‘ 9‘ ,=4,:A,)‘ 45,‘),(15‘ 8(9*814,;‘ &‘ ',)6‘ 3,',),‘ &(;‘ 1 :=*,4,‘ ;,9,&4‘ (‘ 45,‘ 7833‘ 4) =3‘ 4‘ 75 :‘ 45,‘ ;,9,(1,‘ 9‘ 8*&(‘ 7&3‘ ,(4)234,;‘ &4‘ &(‘ (&4 M &(;‘ 4583‘ 7&3‘ 9 ** 7,;‘ A6‘ 45,‘ &* : 34‘ 8 : :,;8&4,‘ 32A : 8338 (‘ 9‘ 45,‘ 75 *,‘ ;2156‘ 7845‘ 45,‘ ,O1,=48 (‘ 9‘ 45,‘ 184&;,*3‘ 9‘),: (&‘ &(;‘ 8*&(‘ 8(‘ 45,‘ *&44,)‘ 9‘ 75815‘ &O8 : 8*8&(‘ 9)>&‘ 3524‘ 58 : 3,*9‘ 2=‘ 5,‘ 81,) 6‘ 9‘ &=*,3‘ &A&(; (< 8(?‘ 2(;,)‘ 45,3,‘ 18)12 : 34&(1,3‘ 45,‘ 5 =,‘ 9‘ A,8(?‘ &A*,‘ 4‘ ,99,14‘ &(6458(?‘ 9)‘ 45,‘ =) 4,148 (‘ 9‘ ( )45,)(‘ 4&*6‘),48),;‘ 4‘ 45,‘ 3 245‘ 4 7&);3‘ &=*,3M &(;‘ 3,)8 23‘ 9,&)3‘ 7,),‘ ,(< 4,)4&8(,;‘ 45&4‘)&(183‘ 9*235,;‘ 7845‘ 583‘ ,&38*6.7 (‘ 4)82 : =5‘ : 8?54‘ A,‘ 4,:=4,;‘ 4‘ =235‘ 583‘ 3211,33‘ &(;‘ 42)(‘ 583‘ &) : 3‘ &?&8(34‘ 231&(6‘)‘ ,',(‘ :,‘ 843,*9‘ 4

458(?‘ 1 2*;‘ A,‘ (7‘ ; (,‘ A6‘ :,;8&48 (‘ 9)‘ 8*&(‘ 24‘ 45,‘ (4899‘ 75 :‘ ;&(?,8‘ 4‘ *),(1,‘ 4 215,;‘ D284,‘ &3‘ 3,(38A*6‘)‘ =,)5&=3‘ :),‘ 3‘ 45&(‘ ;&(?,)‘ ,',(‘ 4‘ :,‘ =235,;‘ (‘ 583‘ (,? 48&48 (3‘ 7845‘ 45,‘),(15‘ : (&)15‘ A6‘ :,&(3‘ 9‘ B82*8&(‘ ‘ ;,P ,;818‘ &(;‘ 583‘ (2(18‘ 45,‘ 835 =

‘*)) 4381,‘ 24E‘ DD4D‘ ,.%‘ W Y‘ j‘ % 1‘ 24E‘ DD4D‘ ,.%‘ W X

9')81&)81 ' 3 ' &148',*6' &(;' 3211,3392**6 ' 45&4' (,73'),&15,;' W W
*),(1,' (' 45,' # 34' 9' 14 A,)' ' 45&4' &(' &**8&(1,'
5&;' A,,(' 1 (1*2;,;' A,47,,(' 45,' *6' &45,)' &(;' 45,'
),(15' @8(?' 9)' 45,' : 242&*' ;,9,(1,' 9' 45,8)' 4&*8&(' 34&4,3'
45,' @8(?' A*8?8(?' 58 : 3,*9' 3=,18&**6' 4 ' =) 4,14' 45,' (4899'
B82*8&(' &(;'),(> ' ;,P ,;818' &(;' 45,' *),(48(,3M'
&(;' 45,' =,' (' 583' =&)4' ?8'8(?' 2=' 4 ')&(1,' &):&' &(;'
8&1,(>&' &3'),1 ?(83,;' ;,=,(;,(18,3' 9' 45,' ;2156' 9'
8*&(' 4' 7&3' 92)45,)' &?),,;' 45&4' A 45' B82*8&(' &(;'
),(> ' 35 2*;'),1,8',' 1 : :8338 (3'8(' 45,'),(15' 3,)'81,'
7845' =&6' &(;'=,(38 (3M &(;' 45&4' &*' 45,' 3&*4'),D28),;' 9)'
45,' ;2156' 9' 8*&(' 35 2*;' A,' A) 2?54' 9) :' 45,' &=&*' 3&*4'
7)@3' 9' ,)'8&' 4' 7&3' :), ',)' 3,44*,;' 45&4' 8(');,)'
4 ' =) : 4,'? ;' 8(4,**8?,(1,' &(;' 9)8,(;358=' 9)' 45,' 9242),'
A,47,,(' 45,' $8(?' &(;' 45,' =,' &' :,,48(?' 35 2*;' 4&@,'
=*&1,' &3' 3 (' &3' = 338A*,' A,47,,(' 45, :' &4' * ?(& J
9' 45,),' 5&;' 8(;,,;' A,,(' ;&(?,)' 4 ' *),(1,' 9) :' 45,'
&: A848 (' 9' 45,'),(15'@8(?' 45&4' ;&(?,)' 5&;' A,,(' ,31&=,;'
A6' 4583' F'? ;' 8(4,**8?,(1, G' A) 2?54' &A 24' 8(' &' ?),&4'
:,&32),' A6' 45,' 18)12:34&(1,' 9' 45,' 9&:8*6' 1 ((,148 ('
A24';2,' &*3 ' 8(' 3 :,' ;,?),,' 4 ' 45,' &338:8*&4,;' 15&)&14,)3'
9' 45,' 47 ' =&)48,3' 4 ' 84 ' , ' % ' &(;')&(183' ' 7,),'
,:8(,(4*6' 7,**' 1&*12*&4,;' 4 ' *8@,' &(;' 36 : =&4583,' 7845'
,&15' 45,)' 45' :,(' 7,),' &;)(,;' A6' &' 12)8 23*6' 38:8*&)'
32=,)9818&*' '&)(835' 9' 3,,:8(?' ? ;' D2&*848,3' 9' 45,' @8(;'
75815' : 34'),&;8*6' 1&=48'&4,' 45,' 8(;2*?,(1,' &(;' &; :8)&48 ('
9' 45,' :&33,3' 9' :&(@8(;M A 45' 7,),'),(;,),;' 8('),&*846'
7)45*,33' A6' 45,' 3&:,' '81,3' ;,,=*6') =4,;' 8(' 45,' (&42),'
9' 45,:' 9' &' 3)4',33,(48&**6' 8(1 :=&48A*,' 7845' 45,'),&*846'
9' 45 3,' ? ;' D2&*848,3' 9)' 75815' 45,' ;&>>*,;' 7)*;' ?&','
45,:' 1),;84' 5,'=) 9*8?&4,' 6 2(?' : (&)15' 7&3' 1,)4&8(*6'
(4' :),' 2(31)2=2* 23' 8(' 45,' =2)3284' 9' =*,&32),' 45&(' 45,'
*;,)' 45 2?5' 348**' 6 2(? 9' (4899M ( )' ;8;' 5,'=2)32,' 7845

Z'))4381,'24E' DD4D' ,.%' W X
1' 6' G8=',.2;' <431;F.4.6' 81' 1<6' 14)6',%'<4=' 626:14,.

! N " :),' 2(A)8;*,;',O1,33' 45,' 1&),,)' 75815' *,;' 58 :' 4 ' &(',&)*6' &(;' 35& :,92*' ;,&45' 45&(' ;8;' 45,' F' *6' &45,)' G' 9 ** 7' 45,' 3& :,' =&45' 75815' ;2*6' 1 (;214,;' 58 :' &*3 ' &4' &(',&)*8,)' =,)8 ;' 4 ' 45,' 3& :,' 9 2*' &(;' ;83?)&1,98**' ? &*' 45' 7,),' = 33,33,;' 9' 45&4' @8(;*6' ' 75815' 7&843' (' ? ;' ;8?,348 (' &(;' 83' (4' 8(1 (3834,(4' 7845' 45,' 8(4,(3,34' 3,*9< 835(,33' &(;' 45,' : 34'),' *48(?' 1)2,*46' 45' 7,),' : &?< (8981,(4' &(;' : 2(8981,(4' F =&4) (3' 9' *84,)&42),' &(;' &)4 G M 75815' :,&(3' 45&4' 145,6' 5&;' A 45' 3299818,(4' 1&=&1846' 4 ' =),9,)' *8',*6' 8(4,**8?,(1,' 4 ' ;2 ' 342=8;846' 8(' 45 3,' &) 2(;' 45, : M 45&4' 45,6' 7,),' 1&=&A*,' 9' A,8(?' & :23,;M 3,(3848',' 4 ' 45,' : &4,)8&*' 9) : 3' 9' A,&246' H &(;'),1@*,33' 8(' 3D2&(;,)< 8(?' 32 : 3' 7)2(?' 9) :' 45,' 5&);' ,&)(8(?3' 9' 5)(6.5&(;,;' *&A 2)' 9)' 45,' ?)&48981&48 (' 9' 45,3,' 4&34,3' =*,(;8;' : .' (&)153' A 45Q (' 75 3,' *8',3' &(;' 7)@3' @8(?3' &(;' ;,3= 43' : &6' * @' A&1@' 7845' &',)38 (')&45,)' 45&(' 45,' ;,31,(;&(43' 9' 45 3,' 75 ' 3299,),;' 9) :' 45, : M 9)' 45&4' 75815'),:&8(3' 9' 45, : ' 348**' ,O4&(4' &(;' =,)&48',' 8(' 45,' 7)*;' 83' 45,8)' 1 (4)8A248 (' 4 ' 45,' 3* 7' &;'&(1,' 9' :&(@8(;' 4 7&);3' 45,' 1 :8(?' 8 : = 338A8*846' 9' & ' =&=&18,3' &(;';,3= 483 : 3

=,' , ' =&33,;' 45) 2?5' *),(1,' (' 583' 7&6' 4 ' 4583' =) H,14,;' 8(4,)'8,7' 7845' &' @8(;),;' 3=8)84' 8(' ',:A,)' ,'),&15,;' * ?(&' 75,),' 45,' 8(4,)'8,7' 7&3' 4 ' 4&@,' =*&1,' (' 45,' N45' 9' ,1,:A,)MJ' &(;' 45,),' Y4&*@,;' &3' :&6' A,' 32== 3,;' (' :&(6' 32AH,143 G' 3&63' 45,' 1 2)4*6' 583< 4)8&(' F' &:8;' ?),&4' :&)@3' 9' 52 :&(846' &(;' &99,148 (' A,8(?' &3' 45,6' 7,),' A 45' 9' 45,:' A6' (&42),' *8A,)&*' &(;' :&?(&(8: 23 G' 4'

: (?' 45,' :&44,)3' &))&(?,;' 5 7,',)' 84' 7&3' 1,)< 4&8(*6' 3&63' 45,' *),(48(,' 5834)8&(' 3,44*,;' 45&4')&(1,' 7&3' 98(&**6' 4 ' &A&(; (' &*' 1 :=*&8(4')' 1*&8:' &?&8(34' *),(1,' (' 45,' 31),' 9' 5,)' (4' 5&'8(?' ;2*6' A3,)',;' & ' 45,' &?),,:,(43' &(;' 348=2*&48 (3' :&;',A,47,,(' 45,

: : (7,&*45' &(;' 283' % M' &(;' 45&4' 75,45,)' *),(1,' 5&;' =,)9) : ,;' 5,)' &?),, : ,(43')'5&;' 9&8*,;' 4 ' ; ' 3 ' (,845,)'35,' ( )'5,)'4,))84)6' 7,),'4 ' A,' &4' &(6'48 : ,' : *,34,;' A6')&(1,' (;' 45,' $8(?' 92)45,)' =) : 83,;' 45&4' 5,' 7 2*;' (,',)' 4&@,' &(6'1846' 9' 231&(6'2(;,)'583' =) 4,148 (' 83' &H,346' 7&3'5 7,',)',01,,;8(?*6'2)?,(4' 8('583';,,:&(;3' ('45,' (4899'45&4')&(1,31' &)8&';, &' ',),' 2@,' 9')A8('35 2*;' A,'*,94'8('2(: *,34,;'= 3< 3,338 (' 9'583';2@,; : ' 583'5 7,',)'5,'9&8*,;' 4 ' A< 4&8(' 9) :' , ' 75 ' 5&;' ;,38?(3'8('583' 5,&;' &*4 ?,45,)' 8(1 :=&48A*,' 7845'&(6'3215'=) : 83,' 5,'9&14' 7&3' 45&4' 4583' 2(9)42(&4,' ;2@,' 5&;' 3 :,' 48 :,' 38(1,' :2);,),;' &' 1,)4&8(' &);8(&*' *8; 38 '8(' &'32;;,('984' 9'=&338 (' &;' 45,' 2@,' 9')A8(' :2);,),;' &(6' 45,)')'&(6';>,(' 9' 45,)'=,)3 (3')',',('5&;'&(6A ;6'3&','&'3 ',),8?(')=8(1,' :2);,),;'&' &);8(&*'45,';,,,;'7 2*;'5&','* (?'38(1,'A,,(' 9)? 44,('' 8(;,,;'E2*823' ' (4'A,8(?'&4'*,83:.,'4 '42)(' 45,':&44,)'4 '45,'=) 984'84'7&3'3231,=48A*,' 9'A,8(?':&;,' 4 '68,*;'&(;'(4'78358(?'4 ':&@,':),',(,:8,3'45&('45 3,' 5,'&*),&;6'5&;'4 ';,&* 7845'5&;'&;:844,;'45,';2@,'4 ' :&@,'583',&1,'&(;'),1,8','=&);('24'(7'7845'3215' &'(,=5,7'&3'),(>';;,P ,;818'4 'A,'=) =,)*6'=) '8;,;' 9)'&(;'7845'3215'&'15&(1,' 9':&@8(?'45,' ,;818',)84&A*,' =)8(1,3'&(;'4523'8: :,(3,*6'9&18*84&48(?'45,'*&34'34,='75815' 5&;'6,4'4 'A,' :&;'4 '),&15'45,'&' 7,;',),148 (' 9'&' 45) (,'8(' *),(1,' 45,'),&* :2);,)' 9'&' :,:A,)' 9'45,' &1),;' **,?,'A6'45,' 7(,)' 9'&(' 4&*8&(';2156'7&3' 9&)'4 '=) '8;,(48&* &(;''&*2&A*,'&(' ==)42(846'4 'A,'* 34' '45,' *6' &45,)'),=*8,;'4 '&** 45,'2)?,(4'),D2,343' 9' $8(?')&(183'45&4'45,' 2@,' 9')A8('35 2*;'A,'*,94'8(' =,&1,'45&4'5,'1 2*;'(4'8('1 (318,(1,'4&@,'2= ('58:'4 ' =) :83,'4583'45&4'45,'1)8:,'7&3'4 ' 9*&?)&(4'&(;'45&4' 89'84'7,),'*,94'2(=2(835,;'45,',O&:=*,'7 2*;'A,';,=*)&A*6' =,)(818 23 J

C '*)4*4381,'24E'=D4D' ,.%'W X

W W !

(' 45,' ##(;' 9' ,1, : A,)' ' , ' &?&8(' =&33,;' 45) 2?5' *),(1,' (' 583' 7&6' A&1@' 4 ' : ,' ,' 5&;' 5&;' ,8?54,,(' 1&);8(&*3' 7845' 58:' 75,(' 5,' 4)&',**,;' ( )457&);3' A24' 5,'),42)(,;' 7845' 47,*',' (*6' 8(' 583' 3284,' 45,'),:&8(< 8(?' 380' 5&'8(?'&11 :=&(8,;' 45,'@8(?' (' 583'),42)('H 2)(,6' 4 ' 8*&(' ł ł

(' A 45' 45,3,' 11&38 (3' 9' 45,' =,P3' =),3,(1,' 8(':583' (&48',' 1846' 45,),' 7,),' &3' :&6' A,' 8:&?8(,;' ?&*&' ; 8(?3' ,11*,38&3481&*' &(;' 3,12*&)' (' &' ',)6' :&?(8981,(4' 31&*,' 5,' *),(48(,3' 7,),' 8(' 45 3,' ;&63' &(;' 9)' &' 1 2=*,' 9' 1,(< 42)8,3'*&4,)' =&)4812*&)*6' 1,*,A)&4,;' 9)' 45,8)' 3@8**' 8(',,'838(?' &(;',O,1248(?' &**' @8(;3' 9' 4,:=)&)6' 9,34&*',),148 (3' 8(' 45,' 34),,43' &(;' =8&>>&3' 9' 45,' 1846' 8:84&48 (3' 9' 1,*,A)&4,;' A28*;8(?3'&**,?)81&*',,'81,3' 34&42,3' :&158(,3' 3= 248(?' 7&4,)')' 3= 248(?' 98),' *2;81) 23' 98?2),3' 8(' 1&)81&42),' : ',;' 8(' 34)&(?,' :&((,)3' A6' 58;;,(' :&158(,)6' &(;' 45,)' 3215' 3 :,75&4' 158*;.*8@,' ;8',)38 (3' (;' * (?' &11 2(43' 9' 45,' 12)8 23' ;,'81,3' 75815' 7P,),' ,O,124,;' 9)' 45,' &:23,:,(4' &(;' 5 (2)' 9' 45,' =,' &(;' 583'),48(2,' &),' =),3,)',;' A6' 45,' 1 (4,:=)&)6' 15) (81*,)3' , ' (' 583' 38;,' 7&3' (4' 4 ' A,' 24; (,' 8(' :&?(8981,(1,' ,' =),3,(4,;' 4 ' 45,' 152)15' 9' &(4&' &)8&' ;,*' 8),' F' &3' &' :&)@' 9' 45,' 4,(;,)' &98,148 (' 5,' A),' 4 ' 45&4' 15:P15' 8(' 75815' 5,' 5&;' A,,(' &' 1&((' 75,(' &' *844*,' 158*;G' &' :84),' F' 9' 3215' A,&246' &(;' &;)(,;' 7845' 3 ' :&(6' =,&)*3' 3&==58),3' , :,)&*;3' .;8&: (;3' &(;')2A8,3' 45&4' 84' 7&3' 7)45' :),' 45&(' 4,(' 45 23&(;' ;21&43 G' ,' ?&',' 4 ' B (< 9&* (8,)' 8; *98' 8(' 45,' (&:,' 9' 45,' ,=2A*81' &' 37);' 9' 5 (2)' &(;' F' &' A*,33,;' 1&=G' 8,' 1 (9,)),;' (' 45,' 15&=4,)' 9' 45,' 1&45,;)&* 45,')8?54' 9' *,?848:&48>8(?' 8**,< ?848:&4,' 158*;),(' 8,' 8(1),&3,;' 45,' '&*2,' 9' 45,' =),A,(;3' 9' 45,' 152)15' &(;' (' ;,=&)48(?' 9) :' 45,' 1846' *,94' &' *&)?,' (2:A,)' 9' ;&63P F' 8(;2*?,(1,' G' &4' &**' 45,' =)8(18=&* &*4&)3 J

(481,' 3 ' (,&)' &' 1 ((,148 (' 7845' 45,')^(15' 1) 7 (' &3'9).C' 42(,' [F') '8;,(1, G' 7,' :,&('H' &),' 45,6' (4' 45,' 45 2?543' 9' &' =,' 45&4' 7,' &),' =2448(?' 8(4 ' C');3b]' =) '8;,;'9)' *83' 8(' 45,' 9) :,)' 8(34&(1,' 24' 45,),' 83' 45,' (A*,' *&;6' &;;&*,(M' ;&2?54,)' 9' E,&(' ;^' *&'A 2)' ; 2',)?(,' ,4' ;,' =2* ?(,' &(;' 9' E,V5i8,' ;, 88)A (' 5,' 78**' ;' M &(;' 32),*6' :&6' A,' 5&;'9)' V' =,P3' (,=5,7 ' 3 ',),8?(' 2@,' 9' %E)A8(=' ,4' 583 ?)&1,' 3,4' 9)45'9)')&(1,' 4 ' A)8(?' 5 :,' 583''A)8;,' ' 0 `' 45,' * ),('4 :,'= =`' 7845' 2)') '8;,51,' &(;' 45,' *),)8485,' &);8(&*3' 7845' A2)' 32=,)8(4,(;,(1,' &(;'45,' *),(48(,'1848>,(3 ' 7845' 2)'=2)3,3'&(;'45,' *),(< 48(,' &)483&(3' 7845' A&)' *&A 2)' ' 7,' 7 8** 4&@^' 1&),' 45&4P 2i'),(> ' ? ,3' 9)' 583' A)8;,' 7845 3 15 &'9 ** 78(?' &4' 583.' A&1@' &(;' 3215' &' = :=' &3.' :8?54' 3*8&:,' 45&4 9' &' @8(? 9'.984.C4A 4)&',*' 2)' ?&**&(4' ?&6'),(> ' Q 48**' *,33' 984' 4 ')8;,' 8(' 45,' =&?,&(4' 4 2)(&:,(43' ?8',(' 8('5 (2)' 9' 583' ,3= 23&*' ' ,&34' 984' 9' &**' 4 ' :&))6' Q Y05&4' =)&4,' 9' '2*?&)'*,,148,3 83' 4583' b 56381&*' *&73' Q 0 5&4' 83' 4583' 9'(,7' &(;' 5))8A*,'9) :3' 9' :&*&;6' (@(7(' 4 '9) :,)'.?,(,)&.' 48 (`b' P _24592i',O1,33,3.Q 4' 7 2*;'A,' ;;'89' 2(*8:84,;' P23 `M 9' &A3 *248 (3' ;83=,(3&48 (3' 8(;2*?,(1,3' 7 2*;' (4' =24' &**' 3215' :&44,)3' 48?54

1),(> ' 2@,' 9')A8(' ;8;' &11);8(?*6' 3,4' 9)45' R)')&(1,'&(;'7845' :21*8&; ' =,)9) :,;' 45,' H 2)(,6' ,' ;8;' :&))6' 45,' 2(9)42(&4,' 6 2(?' '8148:' 9' 34&4,' = *816' 3,*,14,;' 4 ' A,' 583' 789,'&(;'),42)(,;' 784*)'5,)'4 ' *),(1,' 8(' 45,' &242:(' 4R9' 45\' 6,&)' ' 24' (' 45,' 45' 9' 45,' 9 ** 78(?' &6' 45,' 5,),481&*' =56381&*' P*&73' 2(5,,;8(?' &A< 3 *248 (')' ;83=,(3&48 (' 5&;' 4&@,(' 45,8)' 1 28 3, P&(;' 45,' 2@,' 9')A8(' ;8,;' 3,',(' ;&63' &94,)' 45,' ;,&45' f9' 45,' 6 2(?' 789,' 75 :' 4583' * &453 :,' :&))8&?,' 5&;' 1 (38?(,;' &*3 '4A' &' =),:&42),' ;,&45 J

" <6' 961842=',% ,36.7,@=' I,*3.6;'1,' 38.:6',% <4=') 83348>6' 8.9' <%UI4,' 9681<=',% <4=' G4%6' 8.9' <4) =62%') 8;' E6' 3689' 4.' 8' +,2*) 6',.' ' <6' 432<,,9' Z ,% 81<634.6' 96@ 694:4 @@ E;'1<6' 536=6.1' G34163

" O 1' O' ' ' Z

N'" ' ' ' 0 ' '

,9),' ;68(?' 4*8,' 5&=*,33' *&;6' 5&;' ?8',(' A8)45' 4 ' &' ;&2?54,)' (,' &45,)8(,' &94,)7&);3' 5,&);' 9' &3' &' (4' 2(< 8:=)4&(4' 8(34)2:,(4' 9' ,;81,&(' = *816'&(;' 32A3,D2,(4*6' &3' Z2,,(' 9')&(1,

(,' ;&2?54,)' A24' &*&3Q (' 3 (' ' 45&4' &94,)' 4583' 32;;,(' 37,,=' 9' ,&45P3' 9&*158 (' &: (? 45,' ,;818' 45,),' 7,),' *,94' 9' 45,' ,*;,)' A)&(15 L 9' 45,' ;,31,(;&(43' 45&4' 83' 9' 3: ' F' &4,)' &4)8&,GL (*6' 45,' 47 ' =)8,343' , '%' &(;' 45,' &);8(&*' B82*8 ' &94,)7&);3' *,:,(4' M' 47 ' 8**,?848:&4,' *&;3M' == *84 ' 45,' 3 (' 9' B82*8&(' &(;' &(' *,33&(;) ' (4' 5845,)4 ' :,(48 (,;' 9' 2(1,)4&8(' =&),(4&?,' (' A 45' 38;,3' ?,(,)&**6' 1 (38;,),;' 4 ' A,' &' 3 (' 9'),(> ' 2@,' 9')A8(' A24' :),' =) A&A*6' 45,' 993=)8(?' 9' 45,' &);8(&*' B82*8 'MJ' &(;'*&34*6' 45,'8(9&(4' &45,)8(,

' Z' <6' 3682' 5836.18>6',% 26==8.93,' <8=' 82G8;=' E66.' 8') 81163',% 9,*E1' 8),.>' 1<6' 18248.' G34163=' *1')) 4381,' 8==631=' 1<81' ,=),' G<,' ,.' 1<6' 9681<' ,% 26==8.93,' E6:8)6' ! *H6',% 2,36.:6' 8.9' =<,312;' 8%163G839=' 1p3=1' 38.9' ! *H6',% *=:8.;' 1,29' <4)' 1<6' <4=1,348.' 1<81' 26==8.93,' G8=' 1<6' =,.',% 26)6.1' E;' 8') 849F=63+8.1)) 4381,' 24E' DDD' ,.%' W UY

I 694:68.' 53,=56:1=' 81' 124:' 968124' ,%' 24 36.7,F <6' 8394.82' 4*24,' +4=41=' Z 2,36.:6 <6' 9681<FE69' ,%' ,36.7, <6' 8394.82' 8%163' ,36.7,@=' 9681< <838:163' ,%' 4*24,'^ ,%' 6,'%'^ ,%' ,36.7, ,.9*:1' ,%'1<6' 8394.82' 8%163' ,36.7,@=' 9681< 8394@=' ,54.4,.' ,%'41 8E,*3'4)5,=69' ,.'1<6' 8394.82 E=6.:6',%'8 '3682' 24E631;'4.' 2,36.:6 #42+4,' 8==6F' 34.4' 8394.82',%' ,31,.8'855,4.169'1<6' 8394.82'96@ 694:4@=' 46*16.8.1' 4.' 2,36.:6 <838:163',%'<4=',+63.)6.1 !*:<;',%' 3E4.,' 3,*E26=' 834=4.>'%3,)'1<6'94=5,==6==4,.',%'1<6'2816'!*H6 <8.>6'4.'1<6' 8582' 5,24:; 368:<'G41<' 38.:6 !4%%4:*21'5,=414,.',%'1<6' ,.14%% 68>*6' E61G66.'1<6' ,I46'8.9' <8326=' 83'G41<' 38.:6'4.' ,)E839; ' T682,*=46=' E61G66.'1<6' 6.6382=',%'1<6')56348'8.9' 858'%,3:6= ' #*::6==',%1<6')56348'83)=' 8>84.=1' 38.:6 !681<',%' 6,'V 8*=6' ,%'41 36=<'13,*E26=' G41<'1<6'!*H6',%' 3E4., 26:14,.',%' 934v.' ' 1,'1<6' 858:; 4=' :<838:163^ 8.9'%842*36 3,*E26=',%'1<6'4.163B 36>.*) 2,36.14.6=' =899269'G41<' 6D56.=6=' 834=4.>'<6.:6 9348.' 368:<6=' ,)6 .134>*6=' E61G66.' 8394.82'#,9634.4',%' ,216338'8.9' 1<6' 36.:<'H4.>' ' 36.:<'%,3:6=' *.963' 6.7,' 98' 634' 6%%6:1*822;' ,55,=69'E;'1<6' 2,36.14.6'%,3:6=' *.963' ,.16' 8.>,.4 4,+8..4'96226' 8.96' 636',%%6.969'I,4.=' 1<6' 36.:< 2,36.:6'18D69'4.',3963'1,'26.9'),.6;'1,'1<6'!*H6',%' 428. 2,36.14.6=' 2,+6' 6A*8241;' 381<63' 1<8.' 24E631;'^ <6.:6'94=5,=69'1,' =*E)41'1,'1<6' 694:68.' 8=:6.98.:;)B 583148'96=5,14=)',%'1<6' 8394.82' 4*24, !4=:,+63;',%'1<6' *:62284' 8396.' :,.=54381,3= ' =:856',%'=,)6',%'1<6':,.=54381,3= D6:*14,.' ,%',1<63= #*::6==',%'1<6':,.=5438:;'G,*29'<8+6'E66.'98.>63,*='1,' 2,36.:6

' 84' 7&3' &'5,&'6'A* 7'4 ' 45,' ,;81,&('9)42(,3' 4583' 3211,338 (' 9' 2(48:,*6';,&453' ,&45' 7&3' &*7&63' &('8:<=&48,(4'1),;84)' 7845' 45,3,' 3=*,(;8;' ,;818' 5,6'7,),' ',)6'(4&A*6'&'35)4.*8',;')&1,' 215',01,,;8(?*6'3=*,(;8;' *8',3' 7,),' =,)5&=3' 8(' 3 :,' 3)4' 8(1 :=&48A*,' 7845' * (?,'846

' ' 3R

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(;' (7 ' 75&4' 7&3' 4 ' A,' ; (,' A6' 45,' 47 ' ,;81,&(' =)8,343 ' 45,' =,' &(;' 45,' &);8(&*' 7845' &' 9, : &*,' 8(9&(4' (' 45,8)' 5&(;3' &3' 45,' 3 *,' 9242),'),=),3,(4&48',' 9' 45,8)' 5 23,'b B8',' 2=' 45,' ?& : ,b' : &@,' &' '8)42,' 9' (,1,33846b' 1&34' &7486' 45,' & : A848 (' 9)' 75815' 3 ' : &(6' ?,(,)&48 (3' 9' 45,8)')&1,' 5&;' =* 44,;' *&A 2),;' 3299,),;' &(;' 38((,;' &(;'),34),' *),(1,' 4 '*8A,)46'b 5,),' 7,),' 3 : ,' 75 ' 7,),' 9' =8(8 (' 45&4' , ' % ' 7 2*;' ; ' 4583 ' &(;' 75 ' ,',(' ',(42),;' (' 1 2(3,**8(?' 58 : ' 4 ' 4&@,' 3215' &' 1 2)3,' 24' 45,3,' &;'83,)3' 1 2*;' 5&);*6' 5&',' 3299818,(4*6'),:,:A,),;' 45&4' 45,' :&?< (8981,(4'),(> ' 1 2*;' (4' A)8(?' 58 : 3,*9' 4 ' ; ' 4583' &3' 5,' *&6' &.;68(?',',(' 75,(' &' (&) *&' 34 ;' A6' 583' A,;38;,' 4 ' 2)?,' 58 : ' 4 ' 84 ' &(;' 75,(' 45,' &A3 *248 (' 75815' 7&3' 4 ' ,(&A*,' 583' 3 2*' 4 '9&1,' 45,' ,4,)(&*H2;?:,(4.3,&4' 7845' 3 : ,' 3=&)@' 9' 5 =,' 7&3' 45,' =)81,' 9' 583' 1 : =*8&(1,' 8,' ' ' (4' ; ' 84 ' (;' 7&3' 84' 4 ' A,' ,O=,14,;' 45&4' , ' 8(' 45,' =)8 : ,' 9' *89,' &(;' 8(' 4 *,)&A*,' 5,&*45 ' 7 2*;' 458(@' 9' 3215' &' 458(?'bL , ' ,',)6'8(15' &' ,;818 ' &(;' &' =,' 4 ' 75 ' 9' 1 2)3,' 1 2*;' @(7' (' 3=8)842&*4,)))3

' (Q 5,' * *6' &45,)' 5&;' (' (48 (' 9' ?8'8(?' 2=' 45,' ,;81,&(' ?& : ,' 6,4 ' ;,3=84,' 45,' 5,&'6' : 839)42(,3' 75815' 5&;' 9&**,(' (' 45,' 9& : 8*6 ' 5,),' 7,),' &*7&63' 45,' 47 ' *&;3 ' == *84 ' &(;' *,33&(;) L ,;818 ' 1*,&)*6' ,;818 ' &(;' 45,' 98)34' 9' 45,3,' &4' *,&34' &' 9&8)' &(;' 5 =,92*' 3=,18 : ,(' 9' 45,')&1,' **,?848 : &4,'b 0 5&4' 83' 45,),' 8(' &' 7);'b 5,' D2&*846' 75815' 45,' A*,338(?' 9' 45,' =),34' =)8,34' 8(' 5)834,(; : ' 1 2*;' 5&',' 1 (9,)),;' (' 45, : ' A,9),' 45,8)' A8)45 ' 1 2*;' 32),*6' A,' 1 (9,)),;' &' *844*,' 4&);8*6' A6' 45,' 98&4' 9' B ;P3' '81,?,),(4 ' ' , ' 7&3' (4' =),=&),;' 4 ' 45) 7' 2=' 45,' 1&);3' 6,4 J

5,' &);8(&*' ;,P ,;818 ' 583' &A*,' 1 &;H24)' 7&3' ;,3<=&415,;' 8(' &*' 5&34,' 4 ' *),(1,' &(;'),&15,;' 45,' 1846

Z' #66' 1<6' ,54.4,.' ,%' 1<6' <4=1,348. ' T8:,5,' 4124^' 8.9' 1<6' 528.=' %,3' 1<6' >,+63.)6.1' ,%' 2,36.:6' 6=56:4822;' ,.6' E;' 8:,<48+6224' =6.1' 1,' 1<6' ,2;' 81<63' 81' <4=' 36A*6=1

75 8*,'),(> ' 7&3' 6,4' &*8',' 45 2?5' ,'8;,(4*6' ;68(?' W WX
5,' &);8(&*' ;,3' (4' &==,&)' 4 ' 5&',' 3,,(' 583' ;68(?'
1 238(' 2= (' 4583' 11&38 (' ,' 5&;' A,,(' 45,),' ',)6'),<
1,(4*6' 5&'8(?' 1 :,' 4 ' 45,' 1846' 9)' 45,' =2)= 3,' 9' '83848(?'
),(> ' (' 583' A,;' 9' 381@(,33 ' A24' 5&;'),42)(,;' 4 ' :,'
:215' ;831 (4,(4,;' 7,' &),' 4 *; J' 7845' 583'),1,=48 ('
),(> ' 5&;' 9)' 3 :,' 48:,' =&34 L &*: 34' 8: :,;8&4,*6'
&94,)' 583'),4: :' 9) :')&(1, L 3524' 58:3,*9' 2=' 8(' 583'
15&:A,)' &;:8448(?' (A ;6' 3&',' 583' =563818&(3' 583' 8(<
48:&4,' 9)8,(;' &(;' 1 :=&(8 (' 8*8== ' 4) >>8' 75 ' 5&;'
&11 :=&(8,;' 58:' (' 45,' ,O=,;848 (' 4 ')&(1,' &(;' &' 1,)<
4&8(' (4 (8 ' A8*8' &' * 7' A (.1 :=&(8 (' 75 ' &:23,;'
5 :' 7845' 583' A299 (,)8,3' 4' 83' =) A&A*,' 45&4' 45,' &)<
;8(&*;,P ,;818' 7835,;' 4 ' 3=,&@' 4 ' 45,' ;68(?' 5,&;' 9' 583'
5 23,' (' 45,)' 32AH,143' &(;' 8(' &' ;899,),(4' 4 (,' 9) :' 45&4'
&; =4,;' A6' 45,3,' 6 2(?' :,(' &(;' 45&4'),(> '),3,(4,;'
45,' 8(4,)9,),(1,' 9' (,' 8(4 ' 75 3,' 5&(;3' 7&3' &A 24' 4 '
=&33' 45,' = 7,)' 45&4' 7&3' 9&34' 3*8==8(?' 9) :' 583' 7(' &(;'
75 3,' 4&*@' 7P 2*;' (,1,33&)8*6' 5&','),9,),(1,' 4 ' 45,' 1 :8(?'
,',(4' 45,' =) 3=,14' 9' 75815' 5,' 7&3' 348**' &(O8 23' 4 ' ,O1*2;,'
9) :' 583' :8(;' 338A*6' &*3 ' &3' 3 :,' 9' 45,' 5834)8&(3'
32??,34' 45,' * &453 :,' (&42),' 9' 45,' :&*&;6' 9' 75815'
),(> ' 7&3' ;68(?' :&;,' 45,' &);8(&*' (4' 2(78**8(?' 4 '
124' 35)4' 583' 8(4,)'8,7' &3' :215' &3' :8?54' A,' 7845' 45,' :&('
75 3,' :&(&?,:,(4' 9' *89,' &(;' 9' 45,' 58?5';,348(8,3' &(;'
9)42(,3',(4)234,;' 4 ' 58:' 5&;' A,,(' 3215' &3' 4 '),(;,)' 58:'
7)45*,33' 9)' 45,' ?),&4' AH,143' 9)' 75815' 583' ,*;,)3' *8',;'
332),;*6' 45,' 3=,14&1*,' 9' 45&4' ;,&45.A,;' &(;' 9' 45,' 1846'
? ',)(,;' ,(48),*6' A6' &' 7)45*,33' 361 =5&(4' 9'),(> '
(,' B)' ;&' 834 8&' 75 :' 5,' 1&**,;' 583' 3,1),4&)6' &(;' 4 '
75 :' 45,' 75 *,' :&(&?,:,(4' 9' 45,' ? ',)(:,(4' 5&;' A,,('
,(4)234,;' A6' 58:' 75,(' 5,' A,1&:,' 4 ' 8**' 4 ' *,&',' 583'
15&:A,)' 1 2*;' (4' 5&',' A,,(' &' =*,&3&(4' (,' 4 ' 45,' &148',

' 35),7;' &);8(&*' 75 ' 7,**' @(,7'&**' 45,' 8:=)4<
&(1,' 9' &148(?' 3 ' &3' 4 '),1 (18*,' 45,' 1846 ' &3' 9&)' &3' :8?54'
A,'4 ' 45,' ,;81,&(' 6 @,
(;' 4583' 34&4,' 9' 9,,*8(?' A,47,,('58:'&(;'),(> ' 78**'
&11 2(4' 9)' 45,' 9&14' 45&4' 45,' &);8(&* :&;,' ('&44,:=4' 4 '
3,,' 58:' (' &))8'8(?' 8(' *),(1,' &' ;&6')' 47 ' A,9),' 5,'
;8,;' ,' ;8;' (4' ,',(' ?' (,&)' 45,' ,;81,&(' =&*&1,' 8('
45,' 8&' &)?&M' A24' &*8?548(?' &4' 4' &)@P3' 4 @' 2=' 583'
D2&)4,)3' &4' 45,' " ' 75815' 34&(;3' &4' 45,' 1)(,)' 9'
45,' 8&>>&' &(;' 45,' 8&' 4' = ** (8&' &(;' 75815' &4'
4583' : :,(4' 83' A,8(?' 42)(,;' 8(4 ' 45,' 3,&4' 9' (,' 9' 45,'
:8(834)8,3' 9' 45,' (,7' 4&*8&(' @8(?; :' (;' 45,),' 45,'
&);8(&*),:&8(,;' 48**' &**' 7&3' ',)' &(;'),(> ' 5&;' A,,('
1&))8,;' 4 ' 45,' 9&:8*6' '&2*4' 8(' 45,' (,8?5A 2)8(?' 152)15' 9'
4'),(> ' 5,(' 5,' :',;' 8(4 ' 45,' ,;81,&(' =&*&1,'
&(;'),1,8',;' 45,),' 45,' 5 :&?,' &(;' 1 (;*,(1,3' 9' 45,'
1848>,(3
5,' &);8(&* B82*8 ' &94,)7&);3' =,' *,:,(4' ' 45,'
(&42)&*&(;' = 3452: 23' 3 (' 9' 45&4' B82*8&(' 45,' 6 2(?,)'
A) 45,)' 9'),(> ' 45,' &?(8981,(4' 75 ' 7&3' @8**,;' A6' 45,'
&>>8' 8(' -N ' &4' 45,' 48:,' 9' 45,' 1 (3=8)&16' 8(4,(;,;' 4 '
4&@,' 45,' *8',3' 9' A 45' 45,' A) 45,)3' 7&3' &' ',)6' ;898,),(4'
:&(' 9) :',845,)' 45,' =,' ,' % ')'),(> ' 45,' 2@,' 9'
)A8(' ,' 7&3' =) A&A*6' &' 7)3,' :&(' 1,)4&8(*6' &' *,33'
A)8**8&(4' :&(' 45&(' 583' :),' 1,*,A)&4,;' 1 238(' 24' 45 2?5'
*,33' 9)42(&4,' 8(' 583' :&(&?,:,(4' 9' 45,' = *8481&* &99&8)3' 9'
583' 48:,' 5,' 7&3' &(' &A*,)' :),' &148',' &(;' :),' 8(;23<
4)8 23' :&(' 9' A238(,33' 45&(' , ' 83' =)8'&4,' '81,3' 7,),'
(4' *,33')' *,33'),' *48(?*6' ;83?)&1,92*' 45&(' 45 3,' 9' 45,'
3=*,(;8;' =&4) (' 9' *84,)&42),' I=58* 3 =56' &(;' &)4' 583'
1 238(M A24' 45,6' 7,),' =2)32,;' 7845' ?),&4,)'),?&);' 9)'
,O4,)(&* ;,1,(16' 5,),' 7,),' 3,',),' ,6,3' 8(' 2(. 4&*8&('
&(;' 2(. &?&(' 5,&;3' * @8(?' :,(&18(?*6' 9) :' A,6 (;' 45,'
*=3' :,7&);3'&(;' 4&@8(?' ;&(?,) 23' (4,' 9' 45,' ; 8(?3'
45,),' 75815' 34) (?*6' 1 2(3,**,;' 4523' :215' &4' *,&34' 9

1&248 (' ' 45,3,' ;834&(4' 7&415,)3' *, : ,(4' ' 3,, : ,;' !
8(' 583' =)8'&4,'*89,' 4 ' A, ' &3' 45,' 48 : ,3' &(;' &3' =,3' 7,(4' .
&' ;,1,(4' =,' (;' 7,),' 84' (4' 9)' 45,' 2(A*2358(?'
A&AA*8(?' 9' 4&*8&(' 1 (4, : =)&)6')' (,&)*6' 1 (4, : =)&)6'
7)84,)3'8 : 1 (318 23' &==&),(4*6' 9' 45,' : (348P 23',( ) : 846'
9' 45,' 9 2*' 9&143' 45,6' 3 ' 38 : =*6' &(;' 8 : =&338',*6'),',&*'
: 8?54' A,' 348**' 32== 3,;' A6' = 34,)846' 4 ' 5&',' A,,(' 3 '
24' 45,' 3=8)842&*' (&42),' 9' *, : ,(4' 7&3' ;,9) : ,;' A6' '81,3'
9) :' 75815' , ' 7&3'89' (4' 9),,' 6,4' 34&8(,;' A6' 45, :' 8(' &'
*,33' ;,?),,' ,' 7&3' *,33'),',(?,92*' *,33' 1)2,*' *,33' 8 : <
=*&1&A*,' 45&(' *, : ,(4' ,' 7&3' 9&)' *,33' =) 9 2(;' &' 56= <
1)84,' &(;' *,33' 8(1*8(,;' A6' (&4 : ,' 4 ' 9)&2;' &(;' ; 2A*,<
;,&*8(?' ,' 5&;' *,33' 9' 45,' ;&)@'),:)3,*,33' (&42),' 9'
&(' 2(31)2=2* 23*6' & : A848 23' = *84818&(' &(;' :),' 9' 45,'
,33' 5&4,92' 15&)&14,)' 9' &' H '8&*' 3,*9.8(;2*?,(4' ,&36'
,=81 : J,&('),(> ' 45,' 2@,' 9')A8(' 7&3'9&)' 8(9,)8)'
8(' (&42)&*' ?8943' 4 ' ,845,)' 9' 45, : ' 5,),' 7&3' *844*,' 9' 45,'
,;81,&(' (&42),' 8(' 58 : ' ,' 7&3' &3' 583' 9&45,)' 5&;' A,,('
A,9),' 58 : ' &(')38(8M L ; 2A*6' 3 ' A6' 8(5,)84&(1,'9) :' 583'
?)&(; : 45,)' &3' 7,**' &3' 583' : 45,)' A 45' =)8(1,33,3' 9' 45&4'
)29*98&(' A&) (')&1,' ,' 5&;' & ' 45 3,' ,3=,18&**6' F'2(18'8*' PP
&(;' F'2(18'81'G' 9&2*43' 9' 15&)&14,)' 75815'),(;,),;' 58 : ' &(;'
583' 9&45,)' :),' =&)4812*&)*6' ;834&34,92*' 4 ' 45,' *),(48(,3'
45&(' &(6' 45,)' 9' 45,' ,;818' 5,' ?,(4*,' *),(48(,'
(&42),' 7&3' F'A&34&);8>,;' 8(' 45,8)' ',8(3 G'Î&3' B28118&);8(8'
1 : =*&8(3' A6' 4583' 1) 338(?' 7845' &' *,33' 18'8*8>,;' 34 1@'
),(> ' *8@,' 583' 9&45,)' 7&3' ;,' 8;' 9' 45,' 4&*,(4' 75815'
5&;' A,,(' 9)' 3 ' :&(6' ?,(,)&48 (3' 5,),;84&)6' 8(' 45,'
,;81,&(')&1,M &(;' 583' :&(((,)3' &3' 7,**' &3' 583' ;83= 3848 ('
7,),' :&)@,;' A6' &' 5&2?546' &(;' 8(3 *,(4' A)24&*846' ,3=,<
18&**6' 8(4 *,)&A*,' 4 ' 45,' ,:8(,(4*6' 1 2)4, 23' (&42),' 9' 45,'
*),(48(,3')' 45,'),34' 5,' :&6' A,' ;,, : ,;' 4 ' A,' A,44,)'
)' 7)3,' 45&(' 45,' 47 ' =)8,343' 583' ,*;,)3' 8(' 45,' 9& : 8*6' &3'
84' 35&**' 3,, :' 4 ' 45,' ,348 : &4,)' 45&4' &' 342=8;' &(;' * 7.'
(&42),;' =) 9*8?&4,' 83' :),')' *,33' =&); (&A*,' 45&(' &(

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W[WX ,D2&**6 ; , :)&*8>, ; ; ,A&215, , , (; 7 , ; Y7845 ' ,)6 1 (<
38 ; ,)&A* , = 7 ,)3 9 8(4, **8?, (1,
), (> 5&; ; (, : 215 ; 2)8(? 45, 35)4 48 : , 5, 5&; 5, *; = 7,) 8( ), (1, 4 ; 83?234 45, 1846 7845 45, , ; 81, &((& : , J&(;)2*, 5833 : 83158, 9 84 7&3 (7 45, &) ; 8(&*P3 98)34 &(; : 34 =), 338(? A238(, 33 4), =&8) M &(; 5, * 34 (48 : , 8(&==*68(? 58 : 3, *9 4 45, 4&3@ 5, , *, 148 (9 9981,)3 : &?834)&4, 3 &(; 92(148 (&)8, 3 9 &** 3)43b 75815 5&; A, , (&)A84)&)8*6 3, 8>, ; . 8(4 583 7 (5&(; 3 A6), (> 7&3), 34), ; 4 45, * ; 1 (34842 48 (&* =)&1481, J 5 3, :), , 3=, 18&**6 1&**, ; &) 2(; 45, &) ; 8(&*P3 7 (=,)3 (7,), &: (? 45, : 34 7)456 &(;), 3=, 14, ; 1848>, (3 &(; 9) : , ; &34)8@8(? 1 (4)&34 4 45, 7)45*, 33 3, 4 9 ; , . TA&215, , 3 &(; A299 (3 4 75 : &* (, 45, *&4, 2@, 5&; A, , (&11, 338A*, ' , (&) ; 8 45&4 38(1,), 1 (3834, (4 &(; 45) 2?5.? 8(?), =2A*81&(&; : 843 45&4 *), (1, 7&3 &4 4583 =,)8 ;)2*, ; A6 45, &) ; 8(&* ; , P , ; 818 8(& : &((,) 45&4 , 01, , ; , ; 45, 24 : 34 , 0=, 14&48 (9 45 3, 75 45 2?54 58?5, 34 9 58 : &(; 1 : =*, 4, *6 15&(?, ; 45, =8(8 (9 : &(6 75 5&; , 0=, 14, ; 9) : 58 : & ' ,)6 ; 899,), (4 *8(, 9 1 (; 214 5,), =2A*81&(5834)8&(5 7, ' ,) 78(; 3 2= 583 =)&83, 7845 & =5)&3, 75815 7, ** 35 73 5 7 458(?3 34 ; 8(*), (1, &(; 75&4 7&3 45, &: 2(4 9 ? ; ? ' , 8P(: , (4 9) 75815 45, 1848>, (3 7,), 3 45&(@92* 9 F 4 7&3 45, 2(8' ,)3&** =8(8 (G 5, 3&63 F 45&4 (, ' ,) 38(1, 45, 1846 5&; A, , (2(; ,) 45,)2*, 9 45, , ; 818 5&; 84 A, , (? ' ,) (, ;) N " " " 9 18 '8** *8A,)46 &(; R ' " *

5, &) ; 8(&* 4523 A, 1 : , A6 45, 9)1, 9 18)12 : 34&(1, 3 45, ?2&) ; 8&(9 583 8(9&(4), *&48 ' , &45,)8(, &(; 9 45, 2(34&A*, 9&A)81 9 45, 9& : 8*6 ?), &4(, 33 7&3 A)(8(-N

') 384381, *8A DD4D , .% W WW 8) E4 ! 6247 ; , ?*8)2; 31 +, 2 DD44 5 W @
j 432<, , 9 , % 81< 96@ 694:4 E; 1<6 536=6. 1 G34163 5 WU
T 8394 69 , 41 44 5 Y

&(;' 7&3' (7' 45,),9),' 9)46. (,' 6,&)3' 9' &?,' (;'8(' 4)245' 45,' :2*48=*81846' 9' &148',' &(;' *&A)8 23' A238(,33' 5,' 5&;' (' 583' 5&(;3' H 8(,;' 4 ' (' 3(&&*' 7,8?54' 9' &(O8 23' 1&),' 7&3' 3299818,(4' 4 '),D28),' &*' 45,',(,)?8,3' 9' &' :&('8(' 45,' =)8:,' 9' *89,' : (?' 45,' (2:,) 23' 9&2*43' 9' 45,' &);8(&*' ;,P ,;818' 3,*9.8(;2*?,(4'8;*,(,33' 5&;' ('=*&1,')' 45,'3211,33' 9' 45 3,'&8:3'8(' *89,' 75815' &==,&),;' 4 ' 583' 1 :=),5,(38 (' 45,' : 34' 8:=)4&(4'&(;' : 34' '&*2&A*,' 5,' 7&3' 78**8(?' 4 ' *&A 2)' &(;' ;8;' *&A 2)' =&48,(4*6' 2(31)2=2.J' * 23*6' 8(;,9&48?&A*6' 5,' 7,8?548,)' =)48 (' 9' 45,' A2)45,(' 9' 45,' &=&16' 8(' 45 3,' 48:,3' A,1 :8(?' :),' &(;' :),' (,) 23' 9) :' ;&6' 4 ' ;&6' &(;' 45,' 4&3@' 9' ;,O4,) 23*6' 34,,)8(?' 45,' A&)@' 9' 45,' =&=&*' = *816' &: (?' 45,' 35 &*3' &(;' D281@3&(;3' 75815' *&6' 4581@' &(;' ,',)' 4581@,)' &) 2(;' 843' ;,'8 23' 1 2)3,' 7,),' *,94' A6' 45,' ,&36',=812),&(83:' 9' 583'1 1 238(' , ' 4 ' 9&**' 8(' &' ?),&4' :,&32),' (' 583' 35 2*;,)3' (;' (7' 45,' ',)6' ;899812*4' ;246' 9'),1 ',)8(?' 45,' ?) 2(;' * 34' 4 ' ,;81,&(' 8(4,),343' 8(' *),(1,' A6' 45,' *&4,' 2@,P3' 8:=)2;,(4' 1 (;214' 7&3' &;;,;' 4 ' 583' * &;' 9' 1&),3' &(;' *&A 2)3' 5,'4&3@' 9')2*8(?'45&4' ',)6'2(? ',)(&A*,'1 :< :2(846'8(' 3215' &' :&((,)' &3' 4 ' D28,4')' &4'*,&34' ;83&):' 45,' '8?8*&(4' 323=818 (3' 9' 45,'),=2A*81&(' =&)46' 7845 24' ,',)'* 38(?' 38?54' 9' 45,' ?)&(;' AH,14' 9'),;218(?' 84' 2*48< :&4,*6'4 ' 45,'1 (;848 (' 9'&' ;,3= 481':(&)156' ;,:&(;,;' 8('4)245'(');8(&)6'35&),' 9';,O4,)846'&(;'34&4,.1)&94

&'8(?' =) '8;,;'9)' 4583' 4 ' 45,' A,34' 9' 583' = 7,)' &(;' 5&'8(?' 3211,,;,;' 758*,' ; 8(?' 3 ' 8(' 78((8(?' ? *;,(' =8(8 (3' 9) :' &**' 3)43' 9' :,(' &: (?' 45,' 1848>,(3' 45,' &);8(&*'*,94' *),(1,'8(' 14 A,)' &94,)'98',' : (453P3 H 2)(' 45,),' 9)' :,' C

4' 7 2*;' A,' &' ?),&4' :834&@,' 5 7,',)' 4 ' 32== 3,' 45&4' 45,'),4:' 4 ' 45,'1 (3484248 (&*' =)&1481,' 9' ,*,148 (' 9' 45,' :&?834)&4,3' &(;' 45,)' 9981,)3' 9' 45,' ,=2A*81' 4523' ,99,14,;' A6' 45,' &);8(&*' 8:=*8,;' &(6'),&*' &A&(; (:,(4' 9' 32A34&(< 48&*' = 7,)' (' 583' =&)4')'),34)&48 (' 9' 84' 4 ' 45,' 1848>,(3

5,' 4&3@' ,(4)234,;' 4 ' 45,' &);8(&*' V)4 (&' 7&3' A6' (' :,&(3' &(' ,&36' (,' 9' 84' 7&3' ;899812*4' 9)' &' 46)&(4' 9' 45,')&1,' 9' 45,' ,;818' 4 ' :&8(4&8(' 58:3,*9' 8(' = 33,338 (' 9' : 45&4' 2(&' 7,;' 2(&245)8>,;' 2((&:,;' &245)846' 84' 7&3' 6,4' :),' ;899812*4' 9)' 45,' 46)&(4P3' *8,24,(&(4' 4 ' ;' 3 ' (;' 8*'8 ' &33,)8(8' 7&3' (4' 45,' :&(' 9)' 45,' =*&1,' ' 48:8;' 48:,.3,)'8(?' 4)8::8(?' :&(' ',)6' :215' &9)&8;' 9' 45,' 4&3@' &338?(,;' 4 ' 58:' &(;' 9' 45,' 42)A2*,(4'),34*,33' =, =*, A,' 7&3' 3,4' 4 ' ? ',)(' A24' :),' &9)&8;' 9' 583' ,11*,38&3481&*' :&34,)3' &(;' 9' A,8(?' H2;?,;' (4' 4 ' 3,)',' 45,:' 7845' 32998< 18,(4' >,&*' 583' &;:8(834)&48 (' 7&3' &' 3,)8,3' 9' &*4,)(&48 (3' 9) :' 8))84&48(?' 48?54,(8(?' 9' 45,')8(' 4 ' ;&(?,) 23'),*&O&< 48 (' 9' 84' 5,'),32*43' 9' 4583' 7,),' 3,,(',),' * (?' 24' 9)' 45,' =),3,(4' &33834,;' A6' 45,' 11&38 (&*' =),3,(1,' 9' 45,' :215.4)&',**8(?' &(;' 5&);.7)@,;' &);8(&*' 458(?3' 7,),' @,=4' D28,4' &(;' 45,' 1848>,(3' *8',;' 45,8)' *8',3' 82' =,&1,' ?,448(?' 75&4' &:23,:,(4' &(;' ,O184,:,(4' 45,6' 1 2*;' 24' 9' &(' 11&38 (&*' F ,' ,2:G' &(;' 98),7)@3 M L &4' (,' 48:,' (' &11 2(4' 9' F' 45,' 4&@8(?' 9' 45,' 83*&(;' 9 B,)A,' 9) :' 45,')3' 9' 2(83MG J' &(;' 45,(' &?&8(' 8=' 45&(@3?8'8(?' 9)' 45,';,&45' 9' 45,' 2*4&(' ,*8:

(,' 9' 45,' :34' 8::,;8&4,' 1 (3,D2,(1,3' 9' 45,';,&45' 9'),(> ' 45,' 3 .1&**,;' 2@,' 9')A8(' 7&3' 45,' &((,O&48 (' 9' 45&4' 2156' A6' ,' 4 ' 45,' 4,))84)6' 9' 45,' 52)15' 7845' 45,',O1,=48 (' 9' 45,' 9)4),33' 9' 4 ' ,' &(;' 45,';834)814' 9' (4,9,*4) ' 75815' 5,' ?&',' 4 ' 45,' *),(48(,3' &3' &'),< 8:A2)3,:,(4' 9' 45,' 32:3' 45,6' 5&;' 1 (4)8A24,;' 4 ' 45,' 7&)' &?&8(34')&(1,31 ' &)8&' ;,**&' ',),' ,' 7 2*;' 5&',' =),9,)),;' ,(;,&' 2)8(?' 4 ' =),3,)',' 45,' 2156' 9)' 45,' 8(9&(4' &45,)8(,' &3' 5,8),3b' 9'),(> ' 24' 5,' H2;?,;' 45&4' * @8(?' 4 ' 45,' * (?' =,)8 ;' 9' &45,)8(,P3' :8( )846' 75815' :234' ,*&=3,' A,9),' &(6' =,):&(,(4' 3,44*,:,(4' 9' 45,' :&44,)' 1 2*;' A,' ,98,14,;' &(;' 4 ' 45,' &99,148 (' 9' 45,' 8(5&.

W # WX A84&(43' 9'45,' 1 2(4)6' 4 7&);3' 45,8)' *;' 2@, '75 ' 7&3'),&;6' 4 ' 3,8>,' &(6' 9&' 2)&A*,' ==)42(846' 9)' 45,'),1 ',)6' 9' 583' 2156 '45,'=) H,14' 7&3' 4 ' ;899812*4'&(;' ;&(?,) 23' 4 ' A,' 7)45' 4)68(?

&44,)3' 9' 78;,)' 8:=)4&(1,' :), ',)' 7,),'A,?8((8(?' 4 ' ,(?) 33' 45,' ,(48),'&44,(48 (' 9' 45,' *6' &45,)'&(;' 4 ' ;, :&(;' 45,' ,O,)183,' 9' &** 583' ,(,)?8,3' &(;' &** 583'),< 3 2)1,3

** 5&;' ? (,' ',)6' =*,&3&(4*6' &3' 84' 78** A,'), :,(8A,),;' A,47,,(' , '%' &(;')&(183' '&4' 45&4' (4&A*,'8(4,)'8,7' A,47,,('45, :' &4' * ?(&'8(' ')&(1,'7&3' (4' (*6' 4 'A,'&** 7,;'4 '5&','&(;'4 ' 5 *;' 45,' 2156' 9' 8*&('4 ' 45,'=),H2;81,' 9')&(1,31 ' 9)>&'45,' 3 (' 9' 45,';83= 3< 3,33,;' 2@,' 2; '81 ' A24' 7&3' 4 'A,'&** 7,;'4 ' &;;'4 '84' 45,'4,))84)8,3' 9' &):&'&(;' 8&1,(>&'),(> ';,P ,;818' 7&3' 4 'A,'=,):844,;'4 ' :&@,'58:3,*9' 2@,' 9')A8('&4' 45,',O=,(3,' 9')&(1,31 ' &)8&';,**&' ',),'M &(;')&(183' 7&3' 4 'A,'45,'?),&4' 9)8,(;'&(;'=) 4,14)' 9' *),(1,'&(;' 9' 45,' &=&16' 24' 458(?3' 5&;'A,,(' ',)6' :215' 15&(?,;' 38(1,'45&4' 48:,' 5,'1&);3' 5&;'A,,('35299*,;'&(,7'&(;'&' D284,'(,7'?&:,'5&;'A,?2(' 0,'&),'&332),;'8(;,,;'45&4' ,',('&4' 45,' 48:,' 9' 45&4' 8(4,)'8,7'84' 7 2*;'5&','A,,('&' ?),&4' :834&@,'4 ' 32== 3,'45&4' 45,' *6' &45,)'5&;'&(6'),&** 8(4,(48 (' 9' &;5,)8(?'4 ' 583' =&)4' 9' 45,'348=2*&48 (3' :&;,' A,47,,(' 58:'&(;'45,'6 2(?'),(15' : (&)15 J' 5,),' 7,),' :&(6' = 8(43' 9' 36:=&456' A,47,,(' 45,'47 ' :,(' 5,'?&6'&(;'=*,&32),.* '8(?' ,' (' ; 2A4'&;:8),;' 45,'A)8**8&(4'?&6'&(;'=*,&32),.* '8(?')&(183M 9 2(;'58:' &(',O4),:,*6'=*,&3&(4' 4&A*,.1 :=&(8 (' &(;'7&3' 7,** 8(< 1*8(,;'4 ' :&@,'45,8)' :,,48(?'=&33' &3' &?),,&A*6'&3' :8?54' A,' 24' 45,' (4899' 5&;' ;248,3' 4 '458(@' 9ML ;248,3' 4 ' 4&*6' 4 ' 45,' *6' 52)15' &(;' &A ',L 9&)' &A ',L &** ' 4 ' *),(1,' 4 ' 45,' ,;81,&(' (&:,' &(;' 4 ' 58:3,*9' 4' 7&3

F‘ 8(1,‘ B ;‘ 5&3‘ ?8',(‘ 23‘ 45,‘ =&=&16‘ *,4‘ 23‘ ,(H 6‘ 84Q G‘J

2A4*,33‘45,),‘ :234‘ 5&',‘ A,,(‘ ',)6‘3,)8 23‘ ;,A&4,3‘8(‘ 45,‘8(: 34J‘15&:A,)3‘ 9‘45,‘ &481&(‘ A,9),‘45,‘ &**.8:< =)4&(4‘15&(?,‘8(‘45,‘= *816‘ 9‘45,‘ *6‘ ,,‘ 75815‘ ,‘ 7&3‘ (7‘ :,;84&48(?‘ 7&3‘ ;,18;,;‘ (‘ ;,A&4,3‘8(‘ 75815‘ 83‘ :8(,(1,‘45,‘ &);8(&* B82*8‘ :234‘5&',‘A,,(‘45,‘ 158,9‘89‘ (4‘45,‘3 *,‘1 2(3,**)‘ &6‘7,‘ (4‘7,** 32=< = 3,‘4583‘1)8481&* D2,348 (‘4‘5&',‘A,,(‘45,‘32AH,14‘ 9‘;83< 1 2)3,‘A,47,,(‘45,‘47‘ ,;81,&(‘=2)=*,‘ =)8,343‘ &4‘45&4‘ 38448(?‘8: :)4&*83,;‘A6‘45,‘A)235‘ 9‘ &99&,**,‘ (‘45,‘1&('&3‘ (7‘5&(?8(?‘8(‘F‘45,‘4)8A2(,‘G‘&4‘45,‘ 998>8‘8(‘ *),(1,‘Ib 5,),‘83‘8:=)42(&4,‘1&),‘ (‘45,‘5,&'6‘3,(32&* 9,&4:P,3‘ 9‘ 45,‘,=812),&(‘ (4899M &(;‘ &(O8 23‘45 2?5492*(,33‘ (‘45,‘ :),‘ 1 :,*6‘A) 7‘ 9‘45,‘35),7;‘ &A*,‘1)&946.* @8(?‘ &);8(&* 5&(?8(?‘ ',)‘58:

5,),‘&),‘;&(?,)3‘?),&4‘;&(?,)3‘ (‘,845,)‘38;,‘)&(1,‘ 83‘',)6‘= 7,)92*ML :),‘= 7,)92* 45&(‘75,(‘ 283‘% ‘ 7 (‘45,‘A&44*,‘ 9‘ &',((&M &(;‘)&(183‘83‘ (4‘45,‘ :&(‘ 4 ‘9,,* &** 45,‘1 :=2(148 (‘&4‘78((8(?‘ &‘A&44*,‘&?&8(34‘45,‘ =&=&* 9)1,3‘45&4‘ 283‘7&3‘ ,4‘ (‘45,‘ 45,)‘5&(;‘ 45&4‘ 5&)*,3‘ 9‘B5,(4Q 2),*6‘45,),‘&),‘&**45,‘ :&)@3‘ 9‘ &‘)838(?‘= 7,)‘4 ‘A,‘3,,(‘8(‘58: ‘ ,‘5&3‘ (4&A*6‘A,&4,(‘)&(183‘ (1,‘&*),&;6‘8(‘45,‘ :&44,)‘ 9‘45,‘8:=,)8&* 1) 7(‘ 5,(‘&?&8(‘4583‘ ( )45,)(‘ 5&)*,3‘5&3‘35 7(‘36:=4 :3‘ 9‘ A,8(?‘ 7,**.;83= 3,;‘4 7&);3‘45,‘ = 34 *81‘ 52)15 L (‘ 3:&** 1 (38;,)&48 (.‘8(‘45,3,‘;&63‘ ,‘5&3‘=24‘45&4‘=,348< *,(4‘&(;‘;&(?,) 23‘9)8&)‘ 245,)‘4 ‘45,‘A&(‘ 9‘45,‘,:=8),‘ 5&4‘* @3‘7,**L ,O1,**,(4*6‘7,**Q ‘;&(?,)‘ 9‘5,&)8(?‘ 9‘&1 2(18** 9) :‘58:‘,5‘Ib '8;,(4*6‘&‘9)8,(;‘&(;‘=) < 4,14)‘ 9‘45,J‘ *6‘ &45 *81‘ 52)15Q (;‘)&(183‘)‘ 583‘ *8,24,(&(43‘ 9)‘ 58:‘ 5&',‘ (4‘ *&4,*6‘A,,(‘35 7.

J//Z2&(;‘8**=&=&92‘9&44‘;81,'&‘&B82*8&(‘M?;8&: 18‘;,**=&=&4‘= 815‘ 8‘18‘*P5&‘;&4 G‘)&4‘Y ,(‘ ,1 (;‘ ,)8,3‘' 8‘888‘=‘!-‘ ,,‘&*3‘B8)*< 5 ;‘9‘ &45‘;,P ,;818‘=‘#N

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8(?‘ 45, : 3,*',3‘ &3‘ ; 18*,‘ &3‘ 1 2*;‘ A,‘ ;,38),;‘ 4 ‘ 45,‘ = 34 *81‘ 1 : : &(;3‘ 8(‘),?&);‘ 4 ‘ 1,)4&8(‘ : &44,)3‘ 8(‘ : A&);6 J

‘ 45,‘ 8 : =)4&(4‘ ;,1838 (‘ 7 &3/4&@,(‘ &‘ 3,1),4‘ *,&?2,‘ 38?(,;‘ 7845‘ 45,‘ (,7‘ F‘ \3&) G‘ &(;‘ 84‘ 7&3‘ ;,4,):8(,;‘ 4 ‘ &44&1@‘ 45,‘),(;8‘ = 7,)‘8(‘ : A&);6‘ I‘ 4‘ 7&3‘ &11);8(?*6‘ &((2(1,;‘ 4 ‘ *),(1,‘ 45&4‘ 35,‘ 7&3‘ 4 ‘ ? ‘ 4 ‘ 7&)‘ 7845‘ 5,)‘),1,(4‘ &**6‘ &(;‘ =) 4,14)‘)&(1,‘ 8(‘ *,&?2,‘ 7845‘ 45,‘ : < =,)8&*‘ 9)1,3‘ &(;‘ 45,‘ &=&*‘ ,,‘ 5,‘ : : (7,&*45‘ &3‘ 7,‘ : 234‘ 6,4‘ 9)‘ &‘ *844*,‘ 48 : ,‘ * (?,)‘ 1 (48(2,‘ 4 ‘ 1&**‘ 45,‘ *),(48(,‘ ? ',)(:,(4‘ A6‘ '8)42,‘ 9‘ 45,‘ 348**‘ 34&(;8(?‘ 35,**‘ . 9‘ 45,‘ *;‘ 1 (3484248 (&*‘ ,;8981, L 45,‘ : : (7,&*45‘ 5&;‘ ',)6‘ *844*,‘ 4 ‘ 3&6‘ 8(‘ 45,‘ : &44,)‘ A,6 (;‘ =&68(?‘ 9)‘ 45,‘ 9)1`3‘ 75815‘ 45,6‘ 7,),‘),D28),;‘ 4 ‘ 92)(835‘ &3‘ 45,8)‘ 1 (< 48(?,(4‘ 4 ‘ 45,‘ &)‘ 6‘ 9‘ 45,‘ (,7‘ *,&?2,‘ 5^‘ : =,)8&*‘ 45,‘ &=&*‘ &(;‘ 45,‘ *),(48(,‘ 4) =3‘ 4 ?,45,)‘ &: 2(4,;‘ 4 ‘ 47,*',‘52(;),;‘ :,(.&4.&):3‘ &(;‘ 9894,,(‘45 23&(;‘8(9&(4)6‘ 5,‘*&44,)‘ 7,),‘)&=8;*6‘ A,1 :8(?‘ 9‘ :),‘1 :=&)&48',‘8 : < =)4&(1,‘ 8(‘ 45,‘ 7&)3‘ 9‘ 2) =,M‘ &(;‘ 45,‘ 5834)8&(3‘ (‘ * (?,)‘ ;83;&8(‘4 ‘),1);‘45,8)‘ (2 : A,)3‘ 9‘ 4583‘ &):6‘ 45,‘ ',4,)&(‘) 3=,) ‘ * ((&‘ 7&3‘ (&:,;‘ F‘ : ;,)&4),G‘ 75815‘ 34)&(?,‘ 484*,‘ 7&3‘ 8(',(4,;‘ 8( );,)‘ 4 ‘ *,&',‘ 45&4‘ 9‘ ?,(,)&*‘ '&1&(4‘ 9)‘ 45,‘ &)D283‘ 9‘ &(42&‘M 758*,‘ 45,‘ &)15,3,‘ ;8‘ ,31&)&‘ 7&3‘ 45,‘ 1 : : &(;,)‘ 9‘ 45,‘ =&(835‘ ,&= *84&(‘ 1 (48(?,(4 Q‘ (;‘ 9‘ 1 2)3,‘ 45,‘)8'&*)6‘ A,47,,(‘ 45,3,‘ 158,94&8(3‘ A,?&(‘ ',)6‘35)4*6‘4 ‘ =) ;21,‘45 3,‘4) 2A*,3‘ &(;‘ ;&(?,)3‘ (‘ 94.),=,&4,;‘ ,O=,)8,(1,‘ 9‘ 75815‘3,,:3‘4 ‘ 5&',‘ 329981,;‘ 4 ‘ 4,&15‘45,‘ 4&*8&(3‘4 ‘ &' 8;‘ 45,‘1,)4&8(‘1&23,‘ 9‘ 45,:

5,‘),(15‘&):6‘8(‘ : A&);6‘34) (?,)‘8(‘ :,(.&4.&):3‘ A24‘ 8(9,)8)‘ 8(‘ 8(9&(4)6‘ 7&3‘ 2(;,)‘ 45,‘1 : : &(;‘ 9‘ 45,‘ &)`15&*‘ ;,‘ &24),1

5,‘98)34‘,(4,)=)83,‘=) H,14,;‘A6‘45,‘*,&?2,‘8(‘45,‘3=)8(?

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4 75815' :&6'A,') 2?5*6' (?*835,;'M

F'056' ,'35)894*,33';8,; :&6',&38*6'A,'4 *;'M
' ,' 2*; (4'5&','45,'3&),;')84,3'A,1&23,'45,6'5&;'A,,('3 *;G

7' 75,('84'83'),:,:A,),;'45&4'('';,?),,' 9':,(4&*
1&=&1846'83'5,,;,;'9)',),1,8'8(?'45,' 8&4812:'ML 45&4'2(*,33'
45,),' 7,),' 3 :,' ',)6'34)8(?,(4' ',).)8;8(?' : 48',' 45,'
&;:8(834)&48 (' 9'84'7 2*;'A6'('':,&(3'5&','A,,(' :844,;'
5&; 45^' 24: 34'&148'846'A,,(' 3299818,(4'4 '&11 :=*835'45,'
35)4' 1,),: (6'M &(;' 45&4' =)8,343' &(;' &**' (,1,33&)6'
&==*8&(1,3' :234'4&','A,,(' &4'&**' : :,(43'78458(' 8:::,<
;8&4,'1&**8('45,' =,P3'=&*&1,'&4' :,'M 84':234'A,',';8;,(4'
,845,)'45&4'2='4 '78458(' &' ',)6'9,7':8(24,3' 9'583';,&45'
(,845,)' ,' ( )'583'&44,(;&(43'1 2*;'5&','5&;'&(6'8;,&'
45&4'583',(;'7&3'&4'5&(;'M)'45&4'45,),'7,),' ,)6'34) (?'
),&3 (3'9)'=),',(48(?'58:'9) :' A,8(?'3,,('8('583'*&34'
: :,(43'A6'&(6'3&','45 3,'8('75 3,'5&(;3'5,'7&3' 4'83'
4 ' A,' A3,)',;'&*3 '45&4'((,' 9'45,' :&*&;8,3'4 '75815'
583';,&45'5&3'A,,('&44)8A24,;'&),' 9'&'(&42),'4 '5&','(;,;'
4523'32;;,(*6'&(;'2(,O=,14,;*6' 4':&6'A,'7)45'(48(?'
&*3 '45&4'B&*, 44 ';,P ,;818'45,' *),(48(,' &:A&33&;)'
&4' :,'&4'45,'48:,'7)84,3'4 '583'? ',)(:,(4'('45,' "45'
9' ',:A,)'45,';&6'A,9),'45,' =,';8,;'&(4818=&48(?'
583'3=,,;6'),1 ',)6'9) :' 583'8(;83=3848 ('75815'5,'
,'8;,(4*6'1 (38;,),;'&3'D284,'2(8:=)4&(4J
24'',)6':215'34)&(?,)'45&('&**,*3,'&(;'8(;,,;'' :&6'
3&6'&*:34'1 (1*238','4 ' :6' :8(;'8('32==)4' 9'45,'
323=818 (' 9'= 83 ('83'45,' =8(8 (' 9'45,' ,(,48&('&:A&3<
3&;)' 28?8'B)&;,(8? ' ('45,'32:::&)6' 9'583'),=)4'A6'
&)8(' &(2C' 112)3' 4583'),:&)@&A*,' =&33&?,' F' (;'
32;;,(*6'45,' =,'9,**8 ' (;'45,'&:A&33&;)'5&;'45,'
&);8(&*)8'2*>8' &(;' ,)(&);8(' =,) (8'45,'=563818&(

I')),3= (;,(1,' 9'B&*, 44';,P ,;8t'7845'45,'F' 44';8)& 481&G'8('
'*2:,3'(2:A,),;'O8O LOO'' 8('45,'F')158'8' ,(4)&*,' 31&(GL'
F' ,9):&>8 (8G' R&3'O' 8,4''8

9‘ 4‘ ,4,)‘45&(‘ , ‘ % ‘ : ,‘ 5&;‘ =) A&A*6‘ (, ' ,)‘ A, , (‘ 38(1,‘45,‘48 : ,‘ 9‘ (34&(48(,‘3 ‘45) 2?5*6‘3 ‘1 (318 23*6‘ 3 ‘&2;&18 23*6‘ &?&(‘&3‘8(‘583‘ ;&63‘ (;‘32;;,(*6‘1 : ,3‘ 4 ‘ A,‘ 3 ',),8?(‘ 9‘4583‘ A)8**8&(4‘ 3=,(;45)894‘ 1) : =4‘ 1846‘ 4583‘ ( )45,)(‘ A&)A&)8&(‘ 7845‘ 583‘2(1 245‘ 315 *&3481‘ &48(‘ 583‘ 8;,&3‘ 9‘ = 34 *81&*‘ =2)846‘ &(;‘ 38 : =*81846‘ &(;‘ 583‘ F‘ (,‘;21&4‘&‘;&6‘9)‘583‘,O=,(3,3‘4&@,(‘ 7845‘583‘ 7(‘5&(;‘ 9) :‘583‘ 7(‘ = 1@,4‘&(;.‘;,*8',),;‘4 ‘583‘ =)8'&4,‘ A24*,)‘ 7845‘/ 26‘9)‘4 . :)) 7P3‘ (,,;3‘ 7845‘4583‘Q P J‘ 83‘9 ;‘ 1 (38343‘ 9‘&‘ :)3,*‘ 9‘',&*‘)‘A,,9‘)‘9 7*M 3 : ,48 : ,3‘5,‘ 5&3‘3 2=‘ 9‘3 : ,‘1 : : (‘@8(;M &(;‘ (‘45,‘ '8?8*3‘9835M A24‘ 9‘&*‘5,‘,&43‘3=&)8(?*6‘ ‘7 :&(‘75 :‘5,‘A) 2?54‘ 7845‘58 :‘9CP :‘583‘ 7(‘1 2(4)6‘1 @3‘9)‘58 : ‘&(;‘ :&@,3‘ 583‘A,;‘&(;‘; ,3‘583‘7&358(?G

(45,)‘ ,(,48&(‘&:A&33&;)‘ &)1‘ 31&)8‘8(‘&‘*,44,)‘ 4‘ &);8(&*),31 ‘7)84,3‘4523‘ 9‘ =)‘ ;)8&(‘75 :‘ &*‘45,‘ 4&*8&(3‘3,,:‘4‘* @‘&4‘&(;‘3=,&@‘ 9‘&3‘5,‘7,),‘ 3 :,‘34)&(?,‘&(;‘8(1 :=),5,(38A*,‘=5,(:,((‘ F 5,‘ :&(‘83‘4,(&18 23‘ 9‘583‘ 7(G‘3&63‘ 31&)8‘F‘',)6‘45)8946‘ 8(‘?8'8(?‘&(;‘)&),*6‘)‘(,',)‘),1,8'8(?‘ 4‘ :&33‘5,‘83‘ ;&8*6‘&(;‘,&)*6‘ 5,45,)‘*8,‘5&3‘&(6‘9&' 2)84,‘&(;‘ '5‘ 84‘ :&6‘A,‘(A ;6‘5&3‘6,4‘9 2(;‘ 24‘ ,‘1&(‘A,‘(,845,)‘ ;)8',(‘A6‘&(?,)‘)‘*,;‘A6‘H @8(?‘)‘7&3‘84‘ A3,)',;‘ 45&4‘5,‘35 7,;‘&(6‘,O2*4&48 (‘&4‘583‘,*,'&48 (‘ (‘45,‘ 1 (4)&)6‘84‘83‘@(7(‘45&4‘ (‘5,&)8(?‘45,‘(,73‘ 9‘84‘5,‘ ?&',‘&‘?) &(G

583‘7&3‘ (4‘45,‘ :&(‘4‘;‘ A&44*,‘7845‘45,‘?)?, 23‘ 1))2=48 (‘ 9‘45,‘ :&(‘ 2)4‘ ,',)45,*,33‘ ;)8&(‘;8;‘ ,(2?5‘8(‘583‘35)4‘ =&=&16‘ 9‘*844*,‘ :),‘45&(‘47,(46‘ : (453‘4‘ ,&)(‘45,‘1 (4,:=4‘&(;‘5&4),;‘ 9‘&*‘75‘32)<) 2(;,;‘58 : ‘ ,4&34,)3‘A299 (3‘ &(;‘38(?,)3‘ 7,),‘ 37,=4‘ 24‘9) :‘45,8)‘5&2(43‘8(‘45,‘ = 34 *81‘ =&*&1,‘ *&3381&*‘A835 =3‘75 3,‘ 81,) (8&(‘346*,‘7&3‘4 ‘=:.,‘4

4)('19) :' ,(;' 4 ' ,(;' A6' D2&8 ,*3' 9' @8(?3' &(;' D2&)),*3' 9' 1),,;3' &*' 9' 75815' 45,'45,)6' 9' 583' 9981,'),D28),;'58:' 4 ' 8(4,)9,),' 8(' &(;' 1 :=3,M 7845'(458(?' A24' 1 (4,:=4' &(;'&',)38 (' 8('45 3,'&) 2(;'58:'M &(;'7845'((,'4 '5,*='&(;' ((,' 4 ' A,' 4)234,;' 2(*,33' 84' 7,),' 45,' *;' 2'&8(' 5 23,@,,=,)' 75 ' 348**' &3' 8(' 5&==8,)' ;&63' :&;,' 583' A,;' &(;'1 @,;' 583' 9)2?&' :,&* L 75&4' 1 2*;' &' =)' *,:835' =) 9,33)' :&@,' 9' 45,' 31&)*,4.) A,;' 5,&45,(' &A6* (' 5,' 7&3' 1&**,;' 4 ' ? ',)(' &*45 2?5' 5,' *&A 2),;' 5&);'&4' :8;< (8?54' :&48(3' &(;' ,&)*6' :&33,3' &(;' *8',;' (' &' ;' **&)' &' ;&6'ЬJ

5,' &(:&* 23' =),3,(1,' 9' 3215' &' 3 ',),8?(' 8(' 45,' :&(' 1 2)4' ?&',' 4) 2A*,' ,(2?5' 8(' :,' &94,)' 583' &))8'&' 45,),M A24' 45,' 98)34' 4) 2A*,' &)838(?' 9) :' 583' ,*,1< 48 (' 7&3' ;2,' 4 ' 583' &A3,(1,' 58(?3' 5&;' 4 ' A,' :&8(< 4&8(,;' =) '838 (&**6' ' " '' &' ' &3' 9&)' &3' 7&3' = 338A*,' (;' &3' 4583' 1 2*;' (4' A,';' (,' 3&',' A6' 9)1,' 9' &):3' &(;' 45,' &);8(&' B82*8 ' 7&3' 9) :' 45,' =) :8(,(1,' 9' 583' = 3848 (' &(;' 583' 1 ((,148 (' 7845' 45,' *&4,' =,' 45,' =,)3 (' (' 75 :' 45,' 4&3@' 9' 1 (;2148(?' 45,' &99&8)3' 9' 45,' :&(' 2)4' :&8(*6' 9,**' 45,' (23' 9' =) '8;8(?' 45,' (,1,33&)6' 9)1,' 9,**' 158,9*6' (' 45,' *),(48(,3' B8 '&((8';,**,' &(;,' ,),' 7&3'),1&**,;' 7845' 583' 4) =3' 9) :' :A&);6' &(;' ;83=&415,;' 4 ' 45,' ;,9,(1,' 9' 8,(&' 45),&4,(,;' A6' 45,' 2@,' 9')A8(' &'8(?' 1 :=,**,;' 45,' 2@,' 4 '),48),' 9) :' 45&4' 1846' 5,'&;'&(1,;' 4 7&);3' ,)2?8&' 9)' 45,' =2)= 3,' 9' 7),348(?' 84' 9) :' 45,' 3 (3' 9' & * ' &?*8 (8' 75 ' 5&;' (' 45,' =,P3' ;,&45'),1 ',),;' = 33,338 (' 9' 84' 24' 45,' &1),;' **,?,' 9,&)8(?' &==&),(4*6' 45&4' 8(&3:215' &3' 45,' *),(48(,'8(4,),343' &(;' 45 3,' 9' 45,' 5:05' 7,),' (4' &(6' * (?,)' 4 ' tA,' 3 ' ,(48),*6' 1 :8(?*,;' &3' 45,6' 5&;' A,,(' ;2)8(?' 45,' *&4,' = (48981&4,' 45,' 4) =3' 2(;,)' B8 '&((8

J' ,,' 9)' &'92**,)' &11 2(4' 9' 45,' (48981&4,' 9' ;)8&('45,');' 15&=4,)' 9' F 5,' B8)*5 ;' 9' &45,)8(,';',P ,;818 G' A6' 45,' =),3,(4'7)84,)' 9) :' 75815' 45,';,31)8=48 ('8('45,'4,O4'5&3' A,,('8(')?),&4'=&)4'4&@,(

‘ ‘ ‘ 0 ‘ ‘

; , ** , ‘ & (; , ‘ ,) , ‘ : 8?54 ‘ = 338A*6 ‘ A , ‘ 458 (@8 (?‘ :) , ‘ 9 ‘ *) , (1 , ‘ 45&(‘ 9 ‘ 45 , ‘ 52) 15 ‘ 8 (‘ 45 , 8) ‘ =,) &48 (3 ‘ &?&8 (34 ‘ ,) 2?8& ‘) ; ,) , ; ‘ B8 ‘ &((8 ‘ 4 ‘ *, & ' , ‘ 45 , ‘ , 11*, 38&3481&* 4,)) 8< 4) 6 ‘ & (; ‘ &** 7 ‘ : &44,) 3 ‘ 4 ‘) , : &8 (‘ &3 ‘ 45 , 6 ‘ 7 ,) , ‘ 4d* 45 , ‘ &)) 8 ' &* 9 ‘ 45 , ‘ (, 7 ‘ (4899

4 ‘ 7&3 ‘ (4 ‘ 48*** 45 , ‘ # ; ‘ 9 ‘ 2?234 ‘ 9 ‘ 45&4 ‘ 6 , &) ‘ ## ‘ 45&4 ‘ ;) 8& (‘ =&33 , ; ‘ A6 ‘ , ?5) (‘ (‘ 583 ‘ 7&6 ‘ 4 ‘ &332 : , ‘ 45 , ‘ 48&) &‘ &4 ‘ : , ‘ (; ‘ A , 9) , ‘ 45&4 ‘ 45 , ‘ 8 (; , 9&48?&A* , ‘ &) ; 8 (&* B82*8 ‘ 45 , ‘ ?) , &4 ,) ‘ =&) 4 ‘ 9 ‘ 75 3 , ‘ *89 , ‘ 3 , , : 3 ‘ &A 24 ‘ 4583 ‘ 48 : , ‘ 4 ‘ 5&' , ‘ A , , (‘ =&33 , ; ‘ (‘ 45 , ‘ 58?5.) & ; ‘ 5&; ‘ 4 ‘ =) ' 8 ; , ‘ &?&8 (34 ‘ &‘ (, 7 ‘ ; &(?,) ‘ &4 ‘ *) , (1 , ‘ 75815 ‘ 5&; ‘ &) 83 , (‘ 24 ‘ 9 ‘ 45 , ‘) , 1 , (4 ‘ 15&(?, ‘ 8 (‘ 45 , ‘ *&4 , ‘ =, P3 ‘ = *84813 ‘ 9) : ‘) , (15 ‘ 4 ‘ : =,) 8&* ‘ 4 ‘ 78*** A , ‘) , : , : A ,) , ; ‘ 45&4 ‘ ; ,) 8 (8 ‘ 45 , ‘ B (9&*=(8 ,) , ‘ 9) ‘ *89 , ‘ 75 ‘ 5&; ‘ A , , (‘ A*8?, ; ‘ 4 ‘ D284 ‘ * <) , (1 , ‘ (‘ 45 , ‘) , 34) &48 (‘ 9 ‘ 45 , ‘ , ; 818 ‘ 8 (‘ # ‘ 5&; ‘ &‘ A) 45 ,) ‘ 45 , ‘ &) ; 8 (&* 9 ‘ *4 ,)) &‘ 75 ‘ &==, &) 3 ‘ 4 ‘ 5&' , ‘ A , , (‘ &‘ :) , ‘ &148 ' , ‘) ‘ &4 ‘ *, &34 ‘ :) , ‘) , 34*, 33 ‘ : &(‘ 45&(‘ 583 ‘ A) 45 ,) ‘ 5 , ‘ , 0.B (9&* (8 ,) , ‘ 5&' 8 (?‘ 98) 34 ‘) , 48) , ; ‘ 4 ‘ &?23&‘ &(; ‘ &4 ‘ &‘ *&4 ,) ‘ =,) 8 ; ‘ &11 , =4 , ; ‘ 45 , ‘ 8 (' 84&48 (‘ 9 ‘ , ‘ % ‘ 4 ‘ , 34&A*835 ‘ 58 : 3 , *9 ‘ &4 ‘ : , ‘ 3 , , : 3 ‘ 4 ‘ 5&' , ‘ &1D28 , 31 , ; ‘ 8 (‘ 45 , ‘ = 3848 (‘ 75815 ‘ 45 , ‘) , ' *' 8 (?‘ 75 , , * 9 ‘ = *8481&* 9) 42 (, ‘ 5&; ‘ : &; , ‘ 9) ‘ 58 : ‘ 4 ‘ 3 ‘ 5 7 , ' ,) ‘ 583 ‘ A8P 45 ,) ‘ 45 , ‘ &) ; 8 (&* 835 = ‘ 83 ‘ : 8 (, (1 , ‘ 5&; ‘ (, ' ,) ‘ 9) ?8' , (‘ 45 , ‘) 28 (‘ 75815 ‘ 45 , ‘) , < 42) (‘ 9 ‘ 45 , ‘ , ; 818 ‘ 5&; ‘ 1&23 , ; ‘ 4 ‘ 9&*** (‘ 583 ‘ A) 45 ,) ‘ &(; ‘ 45 , 8) ‘ 9& : 8*6 ‘ M &(; ‘ 84 ‘ 3 , , : , ; ‘ 4 ‘ 58 : ‘ 45&4 ‘ 8 (‘ 45 , ‘) , 1 , (4 ‘ 15&(?, ‘ 8 (‘ 45 , ‘ = *816 ‘ 9 ‘ 45 , ‘ *&4 , ‘ =, ‘ : 8?54 ‘ A , ‘ 9 2 (; ‘ 45 , ‘ : , &(3 ‘ 9 ‘) , ' ,) 38 (?‘ &*** 45&4 ‘ 5&; ‘ A , , (‘ ; (, ‘ 8 (‘ *) , (1 , ‘ 38 (1 , ‘ # ‘) , 34) 8 (?‘ 583 ‘ 9& : 8*6 ‘ 4 ‘ 45 , 8) ‘ = 3848 (‘ 8 (‘ 45 , ‘ : : (7 , &*45 ‘ &(; ‘ ' 83848 (?‘ 45 , 8) ‘ , (, : 8 , 3 ‘ 45 , ‘ , ; 818 ‘ 7845 ‘ &‘ ' ,) 6 ‘ & : =*, ‘ : , &32) , ‘ 9 ‘) , 4) 8A248 (

, ? 48&48 (‘ 7845 ‘ 45 , ‘) , (15 ‘ @8 (?‘ 4 ‘ 75 (J45 , ‘ , ; 818 ‘ 7 ,) , ‘ (7 ‘ (‘ *, 33 ‘ 5&4 , 92* 45&(‘ 4 ‘ 58 : 3 , *9 ‘ , &38*6 ‘ A4&8 (, ; ‘ 45 , ‘ 3&(148 (‘ &(; ‘ &33834&(1 , ‘ 9 ‘) &(183 ‘ 9) ‘ &‘ 315 , : , ‘ 9) ‘ 45 , ‘ 32A' ,) < 38 (‘ 9 ‘ 45 , ‘ , ; 81 , &(‘ ? ' ,) (: , (4 ‘ 8 (‘ *) , 841 , ‘) , (15 ‘ : (, 6 ‘ &(; ‘) , (15 ‘ 4) =3 ‘ 7 ,) , ‘ 92) (835 , ; ‘ &(; ‘ 45 , ‘ 1 (; 214 ‘ 9 ‘ 45 ,

=) = 3, ;‘ , (4,)=)83,‘ 7&3‘ , (4)234, ;‘ 4 ‘ &‘ 3 *;8,)‘ 9‘ 9)42(, ‘ 9‘ 45,‘)38(8‘ 9& : 8*6‘ '*8 ‘ ;8;‘ (4‘ 35&),‘ 45,‘ , ;81,&(‘ 36 : < =&458,3‘ 9‘ 583‘ 9& : 8*6 ‘ (,‘), (> ‘ @(7 (‘ 8(‘ 45,‘ =&?,3‘ 9‘ 45,‘ 1 (4, : =)&)6‘ 5834)8&(3‘ &3‘ , (> ‘ ;&‘ ,)8‘ 24‘ 45,‘ 2A8D284 23‘ '8?8*&(1,‘ 9‘ 45,‘ &);8(&* B82*8 ‘ 7&3‘ (4‘ 4 ‘ A,‘ 1&2?54‘ &4‘ 9&2*4‘ ,‘ A4&8(, ;‘ 48 : ,*6‘ 8(9) : &48 (‘ 9‘ 45,‘ =) H,143‘ (‘ 9 4‘M &(;‘ 45,‘ 98)34‘ &(;‘ 8 : : , ;8&4,‘ : ,&32),‘ 5,‘ 4 @‘ 9)‘ : , ,48(?‘ 45,‘ ;&(?,)‘ 7&3‘ 4 ‘ A,1 : ,‘),1 (18*, ;‘ 4 ‘ I45,‘ 2@,‘ 9‘)A8(‘ 7845‘ 75 :‘ *), (1,‘ 7&3‘ &4‘ 9,2;‘ (‘ &11 2(4‘ 9‘ 45&4‘ (4,9,*4) ‘ ;834)814‘ 9‘ 583‘ 2156‘ 75815‘ 5&;‘ A, , (‘ &338?(, ;‘ 4 ‘ *), (1,‘ 75, (‘ 45,‘ 4, : &82; ,)‘ 9‘ 583‘ ; : 8(8 (3‘ @&;‘ A, , (‘ 2(84, ;‘ 4 ‘ 45 3,‘ 9‘ 45,‘ *6‘ , ,‘ (4,9,*4) ‘ 3&(@‘ 8(4 ‘ ' ,86‘ 3,1 (;.)&4,‘ 8 : =)4&(1,‘ 8(‘ 9&1,‘ 9‘ 45,‘ =),3, (4‘ ;&(?,)M‘ &(;‘ 84‘ 7&3‘ &8 &(?, ;‘ 45&4‘ 45,‘ 2@,‘ 7&3‘ 4 ‘), : &8(‘ 8(‘ 2(: *,34, ;‘ = 33,338 (‘ 9‘ 84‘ (‘ 1 (;848 (‘ 9‘ 238(?‘ &** 583‘ = 7,)‘ &?&8(34‘ , (> ‘ ;&‘ ,)8

4‘ 7&3‘ 92)45,)‘ &?), , ;‘ 45&4‘ 45,‘ 2@,‘ 7&3‘ 4 ‘ A,‘ , (?&?, ;‘ A6‘ 45,‘ : : (7, &*45‘ &3‘ 5,)‘ &=4&8(.?, (,)&* 9)‘ 45,‘ 3=&1,‘ 9‘ (,‘ 6,&)‘ &(;‘ 45&4‘ 45,‘ (4,‘ B28; ‘ &(? (8‘ &(‘ &A*,‘ ‘ 1&=4&8(‘ 35 2*;‘ A,‘ : &; ,‘ F B ',)( ).?, (,)&* G

,),‘ 7&3‘ (1,‘ &?&8(‘ 45, ‘ *;‘ ;&(?,) 23‘ = *816‘ 9‘ : 2*< 48=*68(?‘ 1 : : &(;,)3‘ 75 3,‘ &44)8A248 (3‘ &(;‘)&(@‘ 7,),‘ 32),‘ 4 ‘ 1*&35‘ &(;‘ 1&23,‘ 9&4&* H,&* 238,3‘ 8(', (4‘ &3‘ 45,6‘ : 8?54‘ (, 7‘ 484*,3‘ 8(‘ 45,‘ '&8(‘ 5 =,‘ 9‘ 3&4839 68(?‘ 45, : ‘ &**‘ &(;‘ 45,‘ , (?&?, : , (4‘ 9‘ 75 :‘ 7&3‘ ;814&4, ;‘ (4‘ A6‘ &(6‘),&* (,1,33846‘ 9)‘ 45,8)‘ 3,)'81,3‘ A24‘ 8(‘),&*846‘ A6‘ 45&4‘ 9‘ 99,)8(?‘ 45, : ‘ &‘ A)8A,‘ (4‘ 4 ‘ H 8(‘ 45,‘ 45,)‘ 38; , ‘ (‘ 45,‘ =),3, (4‘ 1&3,‘ 45,‘ &== 8(4 : , (43‘ &A ',‘ : , (48 (, ;‘ ?&',‘ :)4&* 99, (1,‘ 4 ‘ &‘ : &(‘ 75 ‘ 7&3‘ &4‘ *,&34.‘ 45,‘ , D2&* 4 ‘ , 845,)‘ 9‘ 45 3,‘ 1&=4&8(3‘ 8(‘ : 8*84&)6‘ 1&=&1846‘ A24‘ 75 ‘ &3‘ 45,‘ &);8(&* =,)< 5&=3‘ 45 2?54‘ : 8?54‘ 5&',‘ A, , (‘ , O=, 14, ;‘ 4 ‘ 9, ,* 58 : 3,*9‘ A 2(;‘ 4 ‘ 45,‘ , ;81,&(‘ 1&23,‘ A6‘ 48,3‘ 4 ‘ 34) (?‘ 4 ‘ A,‘ A) @, (‘ A6‘ : ,),‘ =) 9,338 (&* H,&* 236‘ 583‘ 7&3‘ B8 '&2(8‘ ; ,P , ;818‘ ; ,**,‘ &(;,‘ ,), ‘ 24‘ 45,‘ 4)245‘ 7&3‘ 45&4‘ 45,),‘ (,',)‘ 5&;‘ A, , (‘ ( )‘ 4 ‘ 45,‘ , (;‘ ,',)‘ 7&3‘ &(6‘ ?),&4

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!## 1);8&*846' 9'9,,*8(?'A,47,,('45,' ,;818' 9'45,',*;,)'A)&(15'
45,' ;,31,(;&(43' 9' 3:' F &4,)' &4)81,G'&(;'45 3,' 9'
45,'6 2(?,)'3=)2(?'9) :'),(>' 583' A) 45,)' ('45,'
=),3,(4'1&3,'B8 '&((8' ;,**,' &(;,' ,),' &4' (1,' :&)15,;'
99'8('; 2;?, ('&(;'='*&1,;'45,'3,)'81,3' 9'58:3,*9'&(;'583'
9&: 23'A&(;'&4'45,';83= 3&*' 9'45,'),(15'@8(?J
,',)45,*,33'45,' (4,'B28;' &(? (8'35 7,;'58:3,*9'
3':215' 32=,)8)'8(' 34)&4,?6')'8('9)42(,'4' ,(>' ;&'
,)8'75' 5&;' &1D28),;' &' 58?5'),=24&48 ('8('45,'3,)'81,'
9'45,' ,(,48&(3' ;2)8(?'45,'*&4,'7&)3' 8(' :A&);6'
45&4' 8(' &**' 45,';,32*4)6'7&)9&),'8(' 45,'3 245,)(';83<
4)8143' 9' 231&(6'75815',),32*4,;'9) :'4583' &44,:=4' 9'
45,' &);8(&* ;,)8(8' ,(>' &(;'583'),(15'&**8,3'1 2*;'
,99,14' (458(?' 5,' *),(48(,' 4,))84)6'7&3' ,99818,(4*6'
;,9,(;,;' &4' &** = 8(43M &(;'75,('&4'*&34' &(? (8'7&3'
&A 24'4'1&))6'45,'7&)'8(4'45,';834)814'8('75815'45,')38(8'
; :8(8 (3'4' 7,),' 3842&4,;'L'45,'( )45,)(' =&)4' 9'45,'
:&(' &),::&'45&4' 83' 4'3&6 L 45,' &1),;' **,?,'
9,&)8(?'45&4'45,8)' 7('4,))84)6'7 2*;'A,1 :,'8(' *',;'8('
7&)*8@,' =,)&48 (3'75815'7,),'1 :8(?'4523'1* 3,'4'45,:'
);,),;'45&4'45,'7&)'35 2*;'1,&3,'&(;',845,)'=&)46'),:&8('
' " '' @'48**'45,'&))8'&*' 9'45,'(,7' (4899' 5,3,'
,',(43' 4 @' =*&1,'8('45,' : (453' 9' &)15'&(;' =)8*'
##M' &(;'75,('45,'(,7'B (9&* (8,),' A,OP4'2118'9'
1&:,'8(4' 9981,'&4'45,'A,?8((8(?' 9' =)8*'84' 3,,:,;'
T&3' 89' *),(1,' :8?54' 5 =,'4' ,(H 6'&4' *,&34' &' A)8,9'
=,)8 ;' 9'4)&(D28**846' &(;'),3=84,'9) :' &' 34&4,' 9' 7&)<
9&),'45 2?5'(4' 9) :'45,' =,12(8&)6'),32*43' 9'45,'9&).'
34),4158(?'= *816' 9'5,)'2*,)3')'45,'1 (3,D2,(1,' 9

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J : :8)(4'*8A'OO8O'B (9' #'M , &448'&;'&((
4' 5,' //Y; :8(8 (3'G' 9'),(>')38(8'7,),' 9';8:,(38 (3'75815'8('
: ;,)(' =&)*&(1,'7 2*;' A,' 1&**,;')&45,)'F',34&4,3'G'45&(' F 34&4,3MG' A24'
45,6'7,),'5,*;'&3'8(;,=,(;,(4'8:=,)8&* 98,93
F 5,'A) 45,)' 9'&' &);8(&*'&(;'58:3,*9'&94,)7&);3')&83,;'A6' *,:,(4'
4'45,' =2)=*,ML&'32??,348','8(;81&48 (' 9'75&4'4*8,'B (9&* (8,),358=' A&;'
A,1 :,'2(;,)'45,'? ',)(:,(4' 9'45,' ,;81,&(' =)8,343

45,' '814)8,3' 7 (' A6' 45,' : =,)8&*' 9)1,3' ',)' 45,'),(15' 8(' : A&);6' 7&3' 45,'),34)&48 (' 9')&(1,31 ' 9)>&' 45,' 5,),,;84&)6' =) 4`?`' 9' 45,' ,;818' 4 ' 583' 2156' 9' 8*&(' 5,' 1 (3,D2,(1,' 9' 4583'),34)&48 (' 7&3' &(' 8 : : ,;8&4,' (,1,33846' 9)' : (,6' 4 ' ,(&A*,' 58 :' 4 ' 4&@,' = 33,338 (' 9' 583' ; : 8(8 (3' (;' 75,),' 7&3' 4583' 4 ' A,' 9 2(;' 3&',' 8(' 45,' 348**' 1 : =&)&48',*6' 7,**.92)(835,;' = 1@,43' 9' 45,' *),(< 48(,3' Ĭ ' 45,' &);8(&*' ')&(1,31 ' (8(,' 45 23&(;' 1) 7(3' &3' 7,**' &3' 45,' &)48**,)6' 9' 45,' : : (7,&*45' 9)' 45,' =2)= 3,' 9'),1 ',)8(?' = 33,338 (' 9' B,(&M' &(;' &' 3=,18&*' &)A84)&)6' 4&O' 9' 458)46' 45 23&(;' 1) 7(3' F' 9)' 4583' &(;' 45,)' =2)= 3,3 G' 5&;' 4 ' A,' *&8;' (' 45,' 1846' F' =&6&A*,' A,9),' 45,' ,(;' 9' &6 GJ

4' 1&((4' A,' ;,(8,;' 45&4' 45,),' 7&3' (,' = 8(4' 9' '8,7 ' &(;' (,' 38;,' 9' 45,' *),(48(,' 15&)&14,)' 75815'),(;,),;' 45,' ;,3= 483 :' 45&4' 5&;' ?)&;2&**6' 3,44*,;' ; 7(' 2= (' 45,' : : (7,&*45' *,33' 8(4 *,)&A*,' &4' 4583' 34&?,' 9' 843' 5834)6' 45&(' 843' * 2;.4 (?2,' ,=2A*81&(83 :' &(;' =) 9,33,;' * ',' 9' *8A,)46' : 8?54' 5&',' =),=&),;' 23' 4 ' 32== 3,' 4' 7&3' 45&4' 3& : ,' =*&?2,.3= 4' 8(' 45,' 8((&4,' 8;8 36(1)&36' 9' 45,')&1,' 75815' 5&;' : &)),;' 45,' ;,',* = : ,(4' 9' 45,8)' 18'8*8>&48 (' &(;' 1&23,;' 45,' 7&34,' 9' 3 ' : 215' (&48 (&*' ,(,)?6' &(;' 9)1,'ML 45&4' 3& : ,' 7) :' 8(' 45,' A2;' 75815' 5&;' 9) :' 45,' A,?8((8(?' ; : ,;' 45,' *),(48(,' 18'8*8>&48 (' 4 ' &(' ,&)*6' ;,&45' 4' 7&3' 45,C 9&4&*' : 834&@,' A,47,,(' *8A,)46' &(;' ,D2&*846ML 45,' : 834&@,' 9' ;),338(?' 2=' 45,' * 7' &(;' 75 **6' 8?(A*,' 3,(48 : ,(4' 9' ,('8 23' H,&* 236' 8(' 45,' (A*,' ?&)A' 9' =&4)8 481' * ',' 9' *8A,)46' ,4' :,' (4' 3,' : 6' (,8?5A 2)' : 6')8'&*' : 6' ,D288*' =*&1,;' 8(' &(6' 3, : A*&(1,' 9' 32=,)8)846' ',)' :,'Q 583' 0&3' 45,'),&**6')2*8(?' 3,(48 : ,(4' 9' 45,' *),(48(,' 1848>,(ML 4583' 45,' (,' 458(?' 45&4' 7&3' 8(4 *,)&A*,' 4 ' 58 :' 5 3,' 5&','),&;' 4583' 34)6' & : 833' 75 ' 5&',' (4' 3,,(' 8(' 84' &A2(;&(4' =) 9' 45&4' 3215' 7&3' 45,

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W ! 4)245' 4' 5&3' A,,(' 3,,(' 45&4' 45,),' 7,),' 48:,3' 75,(' 84' 7&3' &' 7,;*6' 8:=)2;,(4' 4' =,):84' 45,'= 33,338 (',',(' 9' *&)?,' 7,&*4*4' 4' A,' =,(*6' :&(89,34,;' 5,' :;,346' 9' ;,:,&(2)' 75815' 7&3' 3' 9&' :84,'&(;' ==2*&)' &' '8)42,'8(' 45 3,'75' 5,*;'&(6'=) :8(,(4'= 3848 (' 8(' 45,' 3 18&'' A ;6' 7&3' A24' &' =*,&'9)' 45,' =&); (' 9' 45,' 1848>,(3'9)' 3215'=),< ,:8(,(1, L &'1 (48(2&'' ;,=),1&48 (' 9' 45,'8**.78**' 75815'84' 7&3' 8(348(148',*6'9,*4' 45&4' 3215' 32=,)8)846' 7&3' 1&*12*&4,;' 4' ,(?,(;,)' 5,' *),(48(,3' 7,),' 8(;,,;' =&338 (&4,' * ',)3' 9',D2&*846M &(;' 7,),'&4'&(6'48:,'),&;6'4' 3&1)8981,' *8A,)46'4' 45,8)' =&338 (' ,4' 23' A,'&**' 3*&',3'&*8@,'89' 7,' 1&((4' A,'&*' @8(?3'&*8@,M (*6'*,4' 2)' 46)&(4' A,'(4' (,' 9' 2)3,*',3'Q 583' 7&3' 45,' ?,(28(,'&(;' =,)3834,(4'@,6.(4,' 9' *),(48(,' = *8481&*' &(;' 3 18&*' 3,(48:,(4' (;' 45,' =),3,(4';:8(&48 (' 9'45,' ,;818' 7&3'(4' 75 **6'2(&11,=4< &A*,'4' 45,' *),(48(,3' A,1&23,'84'5&;'1 :,'4' 3&48396'8(' &' ?),&4';,?),,'45,'),D28),:,(43' 9'45883'9,,*8(?

0 5,(' 45,' ,;81,&(' ;:8(&48 (' 7&3')838(?' &(;' 1 (< 3 *8;&48(?'843,*9'2(;,)'45,'98)34' 3:' 8,4)'&(;'),(>' 84' 7&3' 9&)' :),' 98,(38',' 4' 45,' 1848>,(3' 5,3,' ,;818' 7,),'45,(' 1848>,(3'45,:3,*',3'(4'4'9&)'),:',;'8(' ?),&4< (,33'&(;'&31,(;&(16'4' A,'9,*4'4' A,'45,')8'&*3'9':&(6' &(45,)'9&:8*6' 5,' *;,(' 48:,' 75,(' 45,6'5&;')2(' &' (,1@.&(;.(,1@')&1,'7845'45,' *A8>>8'&(;' 45,)3'7&3'348**' 9),35'8(' 45,' :8(;3' 9',',)6A ;6' 5,'&? (6' 9'3,,8(?'&' 3211,3392*')8'&*'75'5&;'6,34,);&6'A,,('A24' (,' 9'45,:<3,*',3')83,'8(4'=7,)'&(;';:8(8 (' 7&3'=),3,(4'&(;'9,*4' 8(',',)6'98A),'&(;'&4',',)6':: ,(4' 7' 45,' ,;818' 5&;'1,&3,;'4'A,' *),(48(,'1848>,(3',',(' &3'45,')34'7,),' 5,6'5&;'4'* (?',';,(4*6'&(;'&'7,;*6'A,,('3:,458(?' ;899,),(4'9):'4583' 5,'*&4,'?),&4'=):48 (' 9'45,'9&:8*6' 8(' &'*8(,'75815',33,(48&**6'&(;',99,142&**6'3,=&)&4,;'45,:' 9):'45,8)'9,** 7.1848>,(3'&(;'9):'&(6'1 (1:J),(1,'7845' 45,)'&:A848 (3'5&;'',)6'=7,)92**6'1 (4)8A24,;'4'4583' '=,'7&3'(,1,33&)8*6'=*&1,:'9&)'&A ',' &**')8'&*)6' 5,3,

,11*,38&3481&* =)8(1,3* 9* 45,* , ;81,&(*)&1,* (* (?,)* =),<
3,(4,;* 45, : 3,*',3* 4 * 45,* *),(48(,* 8 : &?8(&48 (* D3* 1848>,(3 ##
* : , : A,)3* 9* 45,8)* 7(* A ;6*)* &3* 8(* &(6* 7&6* =,(* 4 *
)8'&*)6* &(;* 1 : =,4848 (* **45,* ?),&4* *),(48(,* 9& : 8*8,3*
7845* 45,8)* : 242&* 5&4),;3* &(;* H,&* 238,3* 7,),* 5,*;* ; 7(*
7845* &(* 8 : =&)48&*846* 9*),=),338 (* 75815* 7,(4* 9&)* 4 7&);3*
),1 (18*8(?* 45, : * 4 * 45,* 6 @,* (;* 45,* 78;,)* 34)&42 : * 9*
45,* 3 18&* A ;6* 75815* 7&3* (,O4* A,(,&45* 45,3,* 7&3* (4* 8**.*
=*,&3,;* 4 * 3,,* 45&4* 45 3,* 75 * 7,),* 3842&4,;* &A ',* 45, : * 8(*
45,* 3 18&* =6)& : 8;* 7,),* 32AH,14,;* 4 * 45,* 3& : ,* 46)&((6*
* 7845* 45, : 3,*',3

4* 83* 4)2,* 45&4* 45,* *;* 9&148 (* 9,,*8(?3* &(;* =&)46* 1)8,3* 9*
45,* , ;81,&(* &;5,),(43* &(;* 45,8)* &(48. , ;81,&(* ,(, : 8,3*
7,),* A6* (* : ,&(3* 6,4* A3 *,4,* 8(* *),(1,M* A24* 45,6*
7,),* 4,(;8(?* 4 7&);3* ,O48(148 (* (;* 45,* 783; : * 9* 45,*
&);8(&* B82*8 * (7* 35)4*6* 4 * A,1 : ,* *, : ,(4* *
1 (4)8A24,;* = 7,)92**6* 4 * 45,* ,O48(148 (* 9* 45, : * ,*
@(,7* (* ;899,),(1,* A,47,,(* 45,* 1848>,(3* 3&',* 45&4* A,47,,(*
32A : 8338',* &(;*),1&*184)&(4* 32AH,143* ,* 7&3* (* :),*
;83= 3,;* 4 * 4 *,)&4,*)* ,O123,*),3834&(1,* 4 * 583* 78**9) : *
45,* 5,),;84&)6* 32==)4,)3* 9* 583* 9& : 8*6* 45&(* 5,* 7&3* 4 *
),:,:A,)* 45,* *;.7)*;* 5 348*846* 9* 3215* &3* 7,),* (7*
8(1*8(,;* 4 * 32A : 84* 4 * 84 * 5,* : , : A,)3* 9* 45,* *;* ,;8<
1,&(* =&)46* 9 2(;* 58 : * &* *2@,7&) : * =&)483&(* 758*,* 4 * 45 3,*
9* 45,* =&)46* == 3,;* 4 * 45, : * 89* 45,6* 7,),* ?28*46* 9*
(* 45,)* 99,(1,* 5,* 7&3* &* ',)6* =*&1&A*,* ,(, : 6 * ,)6*
783,* &*3 * 8(* 4583* = 8(4* 9* '8,7* 7&3* 583* 15 81,* 9* 45,*
" * * 75 : * 5,* 7&3* 1 : =,**,;* A6* 583* (,1,33&)6* &A3,(1,*
9) : * *),(1,* 4 **,&',* &3*)2*,)* 8(* 583* =*&1,* 5,* &);8(&*
9*)4 (&* 7&3* 8(* (* 3,(3,* (,* 9* 45, : 3,*',3* 4 * 45,*
*),(48(,* 1848>,(3* 83* ;8?(846* 7&3* 9* &* (&42),* 75815*
),: ',;* 84* 24* 9* 45,* 3=5,),* 9* 18'81* H,&* 238,3M &(;* 583*
)8?8(* 7&3* ,D2&**6* 1&*12*&4,;* 4 * : &@,* 583* = 33,338 (* 9*
= 7,)* 8(99,(38',* 4 * 45,* *),(48(,3* 5,* &);8(&* 8*'8 *
&33,)8(8* 7&3* (4* &* 7,**.15 3,(* 8(34)2 : ,(4* 8(* 45,)

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W !),3=,143' ,''5&;' (,845,)' 45,' 4&14' 45,' 98) : (,33' ( )' 45,' 1 2)&?,' 4*H&4' 7,),' (,,;,;' 8(' 45,' ,:,)?,(18,3' 7845' 75815' 5,' 7&3' ;,348(,;' 4 ' 5&',' 4 ' ;,&*' 24' 5,' 7&3' 7,**' &;&=4,;' 9)' 45,' 8 : =)4&(4' =2)= 3,' 45&4' 5&3' A,,(' = 8(4,;' 24

47845 34&(;8(?' 4583' 3842&48 (' &(;' 4,(;,(16' 9' 45,' =2A*81' :8(;' 8(' *),(1,' 45,),' 7,8P,' 348**' 3 :,' :,('8(' 45,' 1846' 4 ' 75 :' 45,' ;,3= 483 :' 9' 45,' ,;81,&(')2*,' 7&3' 3299818,(4*6' ;,4,34&A*,' 4 ' 8(;21,' 45,:' 4 ')83@' 45,8)' *8',3' 9)' 45,' ;,34)2148 (' 9' 84' 24' 45,' 15&(?,' 8(' 45,' 4,:=,)' 9' 45,' 48 :,3' 83' 3,,(' 8(' 45,' 3 :&**' &(;'),34)814,;' (&42),' 9' 45,' &44,:=43' 8(' D2,348 (' 0,' 5&',' 3,,(' (,' 3215' 3299818,(4*6' ,O48(?2835,;' A6' 45,',O,1248 (' 9' 47 ' (4' ',)6';8348(?2835,;' 6 2(?' :,(' 4' 83' (' * (?,)' 45,' :',:,(4' 9' &' *&)?,' =&)46 L (' * (?,)' 8(32)),148 (' A24' 1 (3=8)&16' 45&4' 45,')2*,)3' 5&',' 4 ' 9,&)

4' 7&3' 758*,' 45,'),(15' 7,),' 348**' 8(' = 33,338 (' 9' &' =)48 (' 9' 45,' 2156' 9' 8*&(' A,9),' 45,6' 5&;' A,,(' ,(48),*6';)8',(' 24' 9' 84' A6' 45,' 9)1,3' 9' 5&)*,3' ' 45&4' &'),(15' 1 2)8,)' 7&3' (,' ;&6' &)),34,;' 8(' *),(1,ML &' 3299818,(4*6' 323=818 23' &(;' ;83D28,48(?' 18)12 : 34&(1,' 84' : 234' A,' &; : 844,;' 75,(' 45,'),*&48 (3' 45,(',O8348(?' A,47,,(' 45,' ,;818' &(;')&(183' ' &(;' 45,'),1,(4*6';,9,&4,;' &44,:=4' 9' 45,' *&44,)' &),' 4&@,(' 8(4 ' 1 (38;,)&48 (' 5,' &);8(&**' B82*8 ' 5&==,(,;' 4 ' A,' 8(' *),(1,' &4' 45,' 48 :,' &(;' 45 2?5' (458(?' 9' &' 1)8 : 8(&4)6' (&42),' 5&;' A,,(' 9 2(;' ('58 : ' 45,' :&(' 7&3' 1 (;,:(,;' 4 ' ;,&45' &(;' 4 *;' 4 ' 23,' 45,' 9,7' 5 2)3' 75815'),:&8(,;' 4 ' 58 :' 8(' :&@8(?' 583' =,&1,' 7845' 5,&',(ML 9)' 75815' =2)= 3,' &' 1 (9,33)' 35 2*;' A,' 3,(4' 4 ' 58 :' 5,' &);8(&**' 348**' A,*8,',;' 45&4' 45,' :&(' :234' 5&',' *,44,)3' 75815' 7 2*;' 8(' &*H =) A&A8*846' 92)(835' ,'8;,(1,' &?&8(34' 3 :,' 9' 45,' :34' ;&(?,) 23' :,(' 8(' *),(1,' (;' 5,' 7 2*;' 45,),9),' 5&',' ?8',(' :215' 4 ' @(7' 75&4' 45,' 1 (;,:(,;' :&(' :8?54' 3&6' 8(' 583' *&34' 1 (9,338 (' 24' 45,' 3,&*' 9' 1 (9,338 (' 83' 3&1),;M &(;' 84' 7&3' (4' 9)' 3 '),3=,14&A*,' &' 152)15 : &(' &3' 45,' &);8(&**' 4 ' A,' ?28*46' 9

45,' 3&1)8*,?,' 9' A),&@8(?' 84' ' &' = *81,' 3=6' ;),33,;' 4 '),=),3,(4' &' 9)8&)' 7&3' 3,(4' 4 ' 45,' =)' :&(' &(;' 9)18A*6' = 8(4,;' 24' 4 ' 58:' 45&4' 45,' (*6' 5 =,' 9' 3&'8(?' 583' 3 2*' *&6' 8(' 45,' : 34' 1 :=*,4,' &(;' ;,4&8*,;' &' 7&*' ,' 7&3' 4523' 8(;21,;' 4 ' 1 (9,33' 45&4' 45,),' 7&3' &'*,44,)' 3,7('8(4 ' &' 1,)4&8(' =&)4' 9' 45,' *8(8(?' 9' 583' 1* &@' M &(;' 45,' 8:=)4&(4' 3,1),4' 7&3' &4' (1,' 1&))8,;' 4 ' 45,' &);8(&* 458(?' :),' 7&3' ,',)' 5,&);')' 3,,(' 9' 45,' 2(9)42(&4,' 1 2)8,)M' 0 ' ('45&4' 3&:,',',(8(?' ,33,)' E&1 = ' 8&1,4 ' 7&3' &)),34,;' 583' 6 2(?' :&(' 7&3' (,' 9' &' @(4' 9' '9)8,(;3' 75 ' 23,;' 4 ' :,,4' &(;' 4&*@' 8(' 45,' ?&);,(3' J' 9' 45,' 21,**&8' 9&:8*6' (' &**' 45,' 4 =813' 7845' 75815' &' ;,3= 481' ? ',)(:,(4' *,&34' * ',3' 843' 32AH,143' 4 ' 112=6' 45,:3,*',3' 5,),' 7,),' 6 2(?' :,(' 9' 45,' *&:&((8' 21,**&8' 8&1,48' &(;' 2 (;,*: (48' 9&:8*8,3' &: (?' 45,:' &1588&',**8' :8?54' (4' 2(9),D2,(4*6' 5&',' A,,(' 3,,(' 45,),M &(;' 45,' ,;81,&(' ? ',)(:,(4' @(,7' 7,**' 45&4' 45,' 3,4' 75815' 9),D2,(4,;' 45,' 21,**&8' ?&);,(3' 1 :=)83,;' &**' 45&4' 7&3' : 34' 5 348*,' 4 ' ;,3= 481')2*,' 8(' *),(1,' 5,'8(9&: 23' 34)&4&?,:' 45,),9),' 75815' A6' &A238(?' 45,'1 (9,338 (&**' &3' &' :,&(3' 9' A,4)&68(?' &' =,(84,(4' =24' E&1 = ' 8&1,4 ' 8(' 45,' &);8(&*P3' = 7,)' 7&3' &('8:=)4&(4' 3211,33 (,' 9' 45,' *844*,' A&(;' 9' 9)8,(;3' (4 (8 ')218 *8' 8(34&(4*6' A(' 5,&)8(?' 9' 45,' &)),34' 9' 8&1,4 ' 4 @' 5)3,' 7&3' H234' 8(' 48:,' 4 ' ?,4' 24' 9' *),(1,'A,9),'45,'1* 38(?' 9' 45,' ?&4,3' &4' (8?549&**' &(;') ;' 5&);' 4 ' 7&)(' 28?8' *&:&((8' &' =) :8(,(4' :,:A,)' 9' 45,' *844*,' 3 18,46' &(;' &' = ,4' 9' 3 :,' 9&:,' 9' 45,' ;&(?,)' ,' 7&3' &4' &' '8**&' (,&)' 8?*8(,' 3 :,' 47,(46' :8*,3' 9) :' *),(1,M &(;' 5&;' 4523' &(' ==)42(846' 9' ?,448(?' =1)=33' 45,' =,((8(,' 8(4 ' 45,' 34&4,3' 9' 45,' 2@,' 9')A8(' (45,)' 28?8' *&:&((8' 45,' = ,4P3' 1 238(' *,33' 9)42(&4,' 45&(' 5,' 7&3' 8(' ?&))83 (' &4'),>> ' &(;' 7&3' 45,),' &)),34,;' &(;' A) 2?54' 4 ' *),(1,

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' y&(A8' 2 (;,*: (48'&(45,)' 9'45,'3,4'52))8,;'5 :,' ('
45,'98)34' (,73' 9'45,'&)),34' 9'583')8,(;' 7845'45,'8(4,(48 ('
9'1 (1,&*8(?'58:3,*9'F'8(' (,' 9'45 3,'3,1),4'58;8(?'=*&1,3M
75815'&),' 232&**6'1 (4)8',;' 9)' 3215' 11&38 (3'8(' *&)?,'
5 23,3 G' 7)84,3'45,'5834)8&(' E&1 = ' &);8' 75 ' ?8',3'&'
;,4&8*,;'&11 2(4' 9'4583'&99&8)' 24' 2 (;,*: (48P3'789,'
&'7 :&(' 9'?),&4'H2;?:,(4'&(;'=),3,(1,' 9':8(;'F':),'
7)456'9'&':&(' 45&(' &'7 :&(G'3&63' &);8';) ','58:'
24' 9'45,'5 23,'F'&*: 34'A6'9)1,G'=24'8(4 '583'5&(;'&**
45,' :(,6'35,'1 2*;' (' 45,'3=2)' 9'45,' : :,(4'?,4'
4 ?,45,)' &(;'A&;,'58:'* 3,' (4' &(' 5 2)' 8(' =2448(?'
58:3,*9'A,6 (;'45,'9) (48,)' ,&'8(?'45,'1846'A6'45,'
)4&' 8(48'5,' :,4'45,'1)4,?,' 9'45,' &);8(&** 1 :8(?'
8(' 9) :'583' ,',(8(?' ;)8','M &(;'5&;'5&);*6'48:,'4 ' ,31&=,'
583' ,6,' A6'45) 78(?'58:3,*9'5&348*6'8(4 ' 45,'35 =' 9'&
312*=4)'1* 3,'A6'45,'?&4,' ,'34&)4,;' ('9 4'&3'3 ('&3'
,',)'45,',(,:6'5&;'=&33,;'),&15,;'45,'9) (48,)'3&9,*6'&(;'
9 2(;'&(' &36*2:'8(' 45,'5 23,' 9'45,'0 3' 9' &34,*(2 ' '
8(' 45,'4,))84)6' 9' ,))&)&' (,' 2;'81 ')8 34 ' 75 ' 5&;'
A,,(' 7 (4' 75,(,',)'5,J1&:,'4 ' *),(1,'4 'A,'45,'?2,34'
9' 2 (;,*: (48
4' 7&3'7,**9)'45 3,'75 ' 4523'=24'45,:3,*',3' 24' 9'
45,'= 7,)' 9'45,'46)&(9M')'4 '45,'32)=)83,'&(;' ;83?234'
9'&**45,'=&)46' 28?8' 8&1,4 '&4'45,'98)34'42)(' 9'45,')&1@'
1 (9,33,;',',)6458(?'M &;:844,;'45&4'45,'1 (3=8)&4)3'5&;'
8(4,(;,;'4 ' &33&338(&4,'45,' &);8(&*'&(;'&(37,),;'75&4<
,',)'92)45,)'D2,348 (3'7,),'=24'4 '58:
F 0,'7,),'4 *; G'3&63' &);8' F'45&4'5,'1 (9,33,;'45&4'
5,'7&3'8(9*2,(1,;'A6'),',(?,'9)'5&'8(?'A,,('),923,;'&'
'&1&(4'=*&1,' 9)' 75815'5,'5&;'&==*8,;' 0,'7,),'4 *;'
&*3 G'&;;3'45,'5834)8&(' F'45&4'&4'45,'= 8(4' 9';,&45' 5,'
A,??,;'583'1 (9,33)'8('45,'5,&)8(?' 9'/45,'A*&1@'A),45<
),(P 75 ' 8(' 1 (9):846'7845'45,8)' ' 73'7,),'&44,(;8(?'
58:';2)8(?'583'*&34'5 2)3'4 '8(9):'45,' :&?834)&4,3'45&4'
5,'5&;'A,,(';)8',('A6'45,'34),33' 9'4):,(4'4 '8(12*=&4,

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7) (?92**6' : : &3 ' ; ,)8(8M' &(;' 45&4' 75,(' 4583' 1 (< W
9,338 (' 4523' &44,34,;' 5&;' A,,(' *&8;' A,9),' 45,' &);8(&*P3'
,1),4&)6' 84' 7&3'),=*8,;' / 0 ,' 7&(4' (' 45,)' 1 (9,338 ('
9) :' 58 : ' A24' 45&4' 75815' 7,' 5&',' &*),&;6 P G' 24' 45,'
1&248 23' &(;' 1 (318,(48 23' 5834 8;&(' ?8',3' A 45'),=)43'
: ,),*6' &3' 3215' &; ;8(?' &3' 4 ' 45,' *&44,)' 45&4' F' 84' 83' &* : 34'
4 ' &4) 18 23' 4 ' A,' A,*8,',; G' J
9' 1 2)3,' 45,' 47 ' 2(9)42(&4,' 6 2453' 75 ' 5&;' 9&**,('
8(4 ' 45,' 1*2415,3' 9' 45,' ,;818' 7,),' A,5,&;,;' (' 45&4'
3&: ,' A* 1@' 8(' 45,' 1,(4),' 9' 45,' *;' &)?,** ' 1 2)4' 75815'
5&;' 3 '),1,(4*6' A,,(' 34&8(,;' A6' 45,' A* ;' 9' 45,)' '8148 : 3'
4 ' 45,' 1&23,' 9' F'); ,)M G' &(;' 45,' &);8(&*' 9*&44,),;' 58 : <
3,*9' 45&4' 45,' ,;81,&(' = 7 ,)' 7&3' =) =)48 (&A*6' 45,' :),'
;2)&A*6',34&A*835,;' 8(' *),(1,
583' ,O,1248 (' 4 @' =*&1,' (' 45,' N45' 9' E2(,' ##'
4' : &6' A,' : ,(48 (,;' &*3 ' 7845'),?&);' 4 ' 4583' 1 (3=8)&16'
&(;' &3' &' =) 9' 45&4' 84' 7&3' &3' 5&3' A,,(' 34&4,;' &(' 83 *&4,;'
,(4,)=)83,' (Hw' 35&),;' 8(' A6' &(6' *&)?,' =&)46' 8(' 45,' 1846'
45&4' &11);8(?' 4 ' 45,' 4,348 : (6' 9' : : 8)&4 ' 45,' ?,(,)&*'
=8(8 (' 9' 45,' &(48. ,;81,&(' =&)46' 7&3' 45&4' 89' 45,' 1 (<
3=8)&4)3' 5&;' 3211,,;,;' 8(' @d*8(?' 45,' &);8(&*' 45,' 1846'
7 2*;' &332),;*6' 5&',' A,,(' &44&1@,;' &(;' 3&1@,;' A6' 45,'
: =,)8&*' 9)1,3' 75815' 5&;' H234' 45,('3 ' 3,)',;' B,(&' &(;'
75815' ,&?,)' 9)' =),6' &(;' A 46' &3' 45,6' 7,),' 7 2*;' (4'
5&',' &** 7,;' 3 ' 9&8)' &(' ==)42(846' &3' 45,' &',(?8(?' 9' 583'
;,&45' 4 ' ,31&=,' 45, : 9

Z' 8394' =1,346' 94' 436.76' 24E' +*' +,4' 44' 5' Y' 69' W U ' #66' 82=,'
<6' 4%6' ,%' 42455,' #13,774 (' E;' 1<6' 536=6.1' G34163' %3,)' G<4:<' 1<4='
8::,*.1',%1<6' !48:61,':,.=5438:;' <8=' E66.') 84.2;' 18H6.'
1')) 4381,' 24E' 7D4D' ,.%' W >"

0 ' 0

8*=6= ,%1<6 13, *E26= 1<81 96+8=18169 182; 36=< 36. :< 83) ; :3,==6= 1<6 25= 4. # 18248. 268>*6 8>84. =1 1<6) 6=1426. :6 4. 2,36. :6 ! 681< ,% ,56 9348. 26:14, . ,% 1<6 8394. 82 96@ 694:4 8= 26) 6. 1 0 4= :858:41; %,3 1<6 ,%%4:6 3,=56:1= ,% 1<6 858:; ,=414, . ,% 182; 94=5*169 ,+63 E; <8326= 0 8. 9 38. :4= ,24:; ,% 18248. 3*263= 26) 6. 1 6. 163= 4. 1, 8 268>*6 G41< 38. :4= 368H= 41 8. 9 361*3. = 1, 82248. :6 G41< <8326= , .=5436= 8>84. =1 <8326= 8. 9 8116) 51= 1, =*E, 3. 1<6 83A*4= ,% 6=:838 26) 6. 1 361*3. = 8>84. 1, 82248. :6 G41< 38. :4= E=, 2+6= 38. :4= %3,) <4= , 81< 1, <8326= 0 18248. 268>*6 8>84. =1 <8326= 0 ,56= ,%1<6 18248. = 26) 6. 1 =6. 9= 1<6 694:68. ; , *. >) 6. 1, 2,36. :6 ! 461 ,%#5436= .) 41; ,% <8326= 1, G839= 26) 6. 1 <6 O4:63, ; , % 8526= 8. 9 1<6 ,2E. . 8=) 83:< 8>84. =1 1<6 ,56 #8:H 1<6 O814:8. 26) 6. 1 4. 1<6 8=1 ' ,% #1 .>62, 8H6= 8 13681; G41< 1<6 O4:63, ; 4+6= *5 #13, 774 8= 8 <, =18>6 %, 3 1<6 563%, 3) 8. :6 ,% 41 6. 6382 <81369 8>84. =1 26) 6. 1 6 E368H= <4= 13681; G41< 1<6 O4:63, ; 8==8:36 ,% 1<6 ,2, . .8= ! 8. >63 ,% 42455, #13, 774 4= =:<6) 6 %, 3 6=:854. > ! 4=:, .16. 1 81 2,36. :6 . 6%%4:46. :; ,% 1<6 8394. 82 ,% ,31, . 8 %36=< 13681; E61G66. 1<6 ,56 8. 9 1<6 O4:63, ; =8+6= #13, 774 ! , *E1%*2 <, G %83 1<6) 563, 3 8::65169 1<6 13681;) 896 E; 1<6 O4:63, ; <6) 563, 3 =6. 9= , *3E, . 8. 9 3*. 9=E*3> 8>84. =1 ,) 6 . 94=:4524. 69) 83:< ,% 1<643 83) ; <6 , . =18E26 , *3E, . 4= =, :482 5, =414, . ! 6%6. :626== :, . 9414, . , % ,) 6 %%, 31= ,% 1<6 O4:63, ; 1, 8+631 1<6 98. >63= %3,) ,) 6 4= 422F=*::6== 334+82 ,%1<6 , . =18E26@= 83) ; E6%, 36 ,) 6 #8:H ,%1<6 :41;

1*&8:3 9 45, 5 23, 9 (H 2 4 45, 45) (, 9 &=*, 3 A&3, ; (45, *&34 78**3 9 47 7)45*, 33 7 :, (J &(; 45&4 9 45, 5 23, 9)*, &(3 4 45, 45) (, 9 8*&(A&3, ; (45, ; 2A492*)8?54 9 &(5, 8), 33 9 45, 9& : 8*6 9 9)>& 4 5&; (4 6, 4 1, &3, ; 4 A, 45, 8: , ; 8&4, &(; 9) : &* 1&23, 3 9 45&4 3,)8, 3 9 , '8*3 7 5815 9)3 : &(6 ?, (,)&48 (3

J B8 '&((& &(; B8 '&((& B2, (3 9 &=*, 3
4 &*, (48(, : &))8, ; 4 5&)*, 3 2@, 9)*, &(3

; ,*2?, ;' 4&*6' 7845' A* ; ' &(;' : &; ,' 5,)' 3 8*' 45,' 98?548(?.' ?) 2(;' 9)' 45,' &) : 8,3' 9' : J =,' 4' 83' 4)2,' 9' 1 2)3,' 45&4' 45,3,' 3 : &*' 18)12 : 34&(1,3' 7 ,),' A24' 45,' 9) : &* 1&23,3')' 45,' 11&38 (')&45,)' 9)' &*' 45,' 7 ,3' 45&4' 3,, :' 4 ' 5&',' &)83,(' 9) :' 45, :' 9' 1 2)3,' 45,'),&* 1&23,' 9' 45,' : 83< 158,9' 7&3' 45,' : &33' 9' 8?( )&(1,' 12=8;846' 342=8;846' &(;' ,'8* =&338 (3' 75815' 3,4' : ,(P3' 5&(;3' &4' ,&15' 45,)P3' 45) &43' 7;8815' : &;,' 45,' (&48 (3' 4 *3' 8(' 45,' 5&(;3' 9' ?),,;6' &(;' 8?( )&(4' @8(?3' &(;' ;,?)&;,;' 45,' 329*,)82?' : 2*4842;,' 8(4' =&338',' &(;' 2(),38348(?' '8148 : 3' 9' 1 2)3,' 45,'),&* 1&23,' 9' &*' 45&4' : 83 : &(&?, : ,(4' 9' 45,' 7)*;' 7&3' 45,' 8?( )&(1,' &(;' 342=8;846' 75815' =),',(4,;' 45,' 7)*;' 9) :' @(78(?' A,44,)' 9' 1 : P3,' 89' 45,),' 5&;' A,,(' (' Z2,,(3' B8 '&((&' 9' &=*,3' &(;' (' *,?848 : &4,' &*,(48(,' &(;' 8**,?848 : &4,' 8&(1&' &4' 8*&(' 45,' (&48 (3' 7 2*;' 5&',' 124' ,&15' 45,)P3' 45) &43' 9)' 3 :,' 45,)' ?) 2(;' 9' ;83=24,' 4d*' * @8(?' &4' 45 3,' 9) : &* 1&23,3' 75815' 9&*' :),' 8 : : ,;8&4,*6' 78458(' 45,' 5834)8&(P3' @,(' 7,' : &6' 3&6' 45&4' 84' 7&3' 4 ' 45,' ?),&4' : 839)42(,' 9' : &(@8(;' 45&4' : &8(*6' A6' 45,' 3&?&18 23' 9)&2;' 9' 283' % ' 45,3,' 1*&8 : 3' 4 ' 4&*8&(' 3 ',),8?(46' 7,),'(7' 1,(4),;' 8(' 45,' $8(?' 9')&(1,' (;' 45,' =),3,(4' : (&)15')&(183' ' 98),;' A6' @8(?*6' & : A848 (' &(;' 45,' (A*,' * ',' 9' 45&4' ?*)6' 7C5815' : &6' A,' =2)15&3,;' A6' 3299,)8(?3' 5,' ;8;' (4' 35&),' &(;' =) 7,33' (4' 583' 7(' 7&3' (4' 45,' : &(' 4 ' &11,=4' 45,' ;,9,&43' 5,' 5&;' &*),&;6' 3234&8(,;' (' 4&*8&(' 3 8*' &3' &' 98(&* 3,44*, : ,(4' 9' 583' =),4,(38 (3

(' 45,' 32 : : ,)' 9' # ' &' 9),35'),(15' &) : 6' 37&) : ,;' &1) 33' 45,' *=3' 9)' 45,'),1 ',)6' 9' 8*&(' &(;' &' (,7' 4&*8&(' *,&?2,' 1 : = 3,;' 9' 45,' =,' 45,' : =,))' 45,' $8(?' 9' (?*&(;' ,);8(&(;')15;2@,' 9' 234)8&' 45,' 2@,' 9' 8*&(')&(1,31 ' 9)>&' 45,' *),(48(,3' &(;' 45,' B,(,3,' 7&3' =2A*835,;' 8(' 45,' : (45' 9' E2(,' 9' 45&4' 6,&)' 9)' 45,' ;,9,(1,' 9' 4&*6' &?&8(34' 45,I),(15' 8('&;,)3

5,' : &8(' =&)4' 75815' *),(1,' 5&;' 4 ' =*&6' 8(' 45,' : &44,)' 7&3' 45&4' 4 ' 75815' 35,' 7&3' 3 ' 7,** &11234 : ,; L 4 ' =&6

-"-' : $ ' ' ' 8 0 ' '

5,6' 7,),' A8;;,(' 4 ' 92)(835' 47 ' 52(;),;' :,(.&4.&) : 3 L ' 58),*8(?3' 9' 1 2)3,M &(;' 47,(46' 45 23&(;' 1) 7(3' &' : (45' 4 7&);3' 45,' ,O=,(3,3' 9' 45,' 7&) J

24' 45,' =),'&8*8(?' 8?( )&(1,' 9' &' ?),&4' :&(6' 458(?3 ' 45,')8?54' 2(;,)34&(;8(?' 9' 75815' 83' (,1,33&)6' 4 ' 45,' H2;818 23' :&(&?,:,(4' 9' 45,' 7)*;' &) 2(;' 23' &(;' 9' 2)' *89,' 8(' 84 ' 7&3' =) ;218(?' &4' 4583' 48:,' 6,4' 7)3,'),32*43' 45&(' 7&)' &(;' 843' 1&*&:848,3' 8(' 45,' 34),,43' &(;' ;7,**8(?3' 9' *),(1,' =,' ;)8&(' 75,(' &4' *,(?45' 5,'),&15,;' :,' &4' 45,',(;' 9' 2?234 ' ## ' 9 2(;' 45,' 1846' ;,3 *&4,;' A6' =,348*,(1,M &(;' (7 ' A6' 45,',(;' 9' 45,' 6,&)' 45&4' ;),&;' '8384&48 (' 5&;'),&15,;' *),(1,' 8(' &**' 843' 9)1,'9

'8;,(4*6' 8(' 45,' &8)Q 3&8;' 45,' =563818&(3' *,&)*6' &' H2;?:,(4' 9' B ;' (' 2)' 38(3' Q 3&8;' 45,' 45, * ?8&(3' ,3' 4)2*6' Q &' H2;?:,(4' 9' B ;' (' 45,' 38(3' 9' 45 3,' 75 3,' 1846' 7&3' 3 ' '8384,;' 24' 45,' :839)42(,' 7&3' 45&4' 45,6' ;8;' (4' 2(;,)34&(;' 75815' 9' 45,8)' 38(3' 45,' =,348*,(1,' 7&3' 45,' =) =,)' =2(835:,(4' 9' 9' (*6' 7,' 1 2*;' =&8)' 99' 2)' H2;?< :,(43' &(;' 2)' 38(3' 7845' 3 :,' &==) &15' 4 ' &==) =)8&4,' 1)),14(,33' 7,' 35 2*;' A,' (,&),)' 4 ' =) 984&A*,' 783; :' 8(' 45,' :&44,)

(' *),(1,' 45,'),:&8(;,)' 9' 45,' 6,&)' 7&3' 4) 2A*,;' (*6' A6' 45,' =,348*,(1,' 75815' (,&)*6',:=48,;' 45,' 1846' ,845,)' A6' ;,&45')' A6' ;)8'8(?' &**' 45 3,' 75 ' 1 2*;' A6' &(6' = 338A8*846' *,&',' 84' 4 ' 45,' '8**&3' &(;' (,8?5A 2)8(?' 4 7(3' 24' 8(' :A&);6' 45,' 7&)' 7&3' 8(' 45,' :,&(48:,' (1,' &?&8('),< (,7,;'M &(;' &4' 98)34' 7845' &(' &==&),(4' 15&(?,' 9' 9)42(,')' 45,' (,7'),(15' &):6' 75815' = 2),;' ',)' 45,' *=3' 2(;,)' 45,' ;:8)&** (8',4' 8(' 2?234' 9' 45&4' 6,&)')&=8;*6' :&;,' 843,*9' :&34,)' 9' &**' 45,' 1 2(4)6' 4 ' 45,' 7,347&);' 9' 45,' 818(' &(;' 5&'8(?' 1) 33,;' 84 ' ;,3=84,' 45,',99)43' 9' 45,' 8:=,)8&*834' 9)1,3' 2(;,)') 3=,) ' * ((&' 4 ' =),',(4' 45,:' 7&3' &;'&(18(?' 4 7&);3' 8*&('C 75,(' &' (,7' 15&(?,' 8(' 45,

'")) 4381,' 24E' DD4D' K,.%' W [^' 6:8114' 89' 8..
1')) 4381,' 24E' DD4D' ,.%' W U

! ‘ ‘ ‘ ! -";

= 3848 (‘ 9‘ : &44,)3‘ 8(‘ 45,‘ =, (8(32*&‘ 7&3‘ A) 2?54‘ &A 24‘ A6‘ #
45,‘ ; ,&45‘ 9‘ =,‘ ;)8&(‘ (‘ 45,‘ #);‘ 9‘ ,=4, : A,)‘ #
(‘ 45,‘ 45‘ 9‘ ', : A,)‘ &94,)‘ (,&)*6‘ 47 ‘ : (453‘
9‘ ;83=248(?‘ 8(4)8?28(?‘ &(;‘ (,? 48&48(?‘ 45,‘ (1*&',‘
&((2(1,;‘ 45&4‘ 45,6‘ 5&;‘ A,,(‘ 8(3=8),;‘ A6‘ 45,‘ *6‘ B5 34‘
4 ‘ ,*,14‘ 45,‘ &);8(&* ;,P ,;818‘ =,‘ 83‘ =)8(18=&*
== (,(4‘ 5&;‘ A,,(‘ 45&4‘ &);8(&* ;,)8(8‘ 45,‘ A) 45,)‘ 9‘
45,‘ *&4,‘ B (9&* (8,),‘ 9)‘ *89,‘ 75 ‘ 5& ;‘ (,',)‘ 9)? 44,(‘ 583‘
A844,)‘ 8(;8?(&48 (‘ &?&8(34‘ 45,‘ ,;818‘ 9)‘ 5&'8(?‘ 1&23,;‘
45,‘ ; '8 : 9&** 9‘ 583‘ 9& : 8*6‘ 8(‘ *),(1,‘ ( )‘ 1,&3,;‘ 583‘),34<
*,33‘ ,(;,&' 2)3‘ 3 ‘ 4 ‘ 35&=,‘ 45,‘ = *816‘ 9‘ 45,‘ ?),&4‘ = 7,)3‘
9‘ 2) =,‘ &3‘ 4 ‘ : &@,‘ 84‘ 32A3,)'8,(4‘ 4 ‘ 45,‘)28(‘ 9‘ 45,‘
,;81,&(‘ 9)42(,3‘ 9‘ 1 2)3,‘ 5,‘ 7&3‘ 32==)4,;‘ 8(‘ 45,‘
(1*&',‘ A6‘ &** 45,‘ 8(9*2,(1,‘ 9‘ 45,‘),(15‘ =&)46‘ &(;‘
45,‘),(15‘ @8(?‘ 7845‘ 75 :‘ 7,‘ 5&',‘ 3,,(‘ 58 :‘ 3 ‘ *&4,*6‘
1 (3=8)8(?‘ 4 ‘ A6(?‘ &A 24‘),' *248 (‘ 8(‘ 231&(6‘ ,‘ 7&3‘
A,&4,(‘ 5 7,',)‘ A6‘ 45,‘ 34) (?,)‘ 1 : A8(&48 (‘ 9‘ 45,‘ : <
=,)8&** 7845‘ 45,‘ ,;81,&(‘ 8(4,),34‘H &(;‘ 45,‘ 4&*8&(‘ 7)*;‘
5&8*,;‘ 45,‘ ,*,148 (‘ 9‘ 45,‘ &);8(&* ;,P ,;818‘ &3‘ 45,‘ A,34‘
48(;‘ 783,34‘ 45&4‘ 1 2*;‘ 5&',‘ A,,(‘ : &;,‘ 2(;,)‘ 45,‘ 18)12 : <
34&(1,3‘ 9‘ 45,‘ 1&3,
9‘ * (?‘ =)&1481,‘ 9‘ &98&8)3‘ &(;‘ : 215‘ 3&?&1846‘ 9‘ 45&4‘
3)4‘ 75815‘ =&)4&@,3‘ :),‘ 9‘ 12((8(?‘ 45&(‘ 9‘ &(6‘ 58?5,)‘
)‘ *&)?,)‘ 783; :‘ H 8(,;‘ 4 ‘ 8(;,9&48?&A*,‘ 8(;234)6‘ &(;‘
&148'846‘ 4 ?,45,)‘ 7845‘ &*: 34‘ ,(48),‘ 9),,; :‘ 9) :‘ &(6‘ 9‘
45 3,‘ :),‘ '8 *,(4‘ =&338 (3‘ 75815‘ &),‘ : 34‘ &=4‘ 4 ‘ A,‘ 9&4&*
4 ‘ : ;,)&48 (‘ &(;‘),3=,14&A8*846‘ &(;‘ &(‘ 5&A842&*),3=,14‘
9)‘ 45&4‘ ,O4,)(&* ;,1,(16‘ 9‘ ;, : ,&(2)‘ 75815‘ 45,‘ &3=,14‘
9‘ 45,‘ 48 : ,3‘ 7&3‘ A,?8((8(?‘ 4 ‘ : &@,‘ &‘ ',)6‘ (,1,33&)6‘
D2&*8981&48 (‘ 9)‘ 45,‘ 112=D (16‘ 9‘ 4‘ ,4,)P3.3,&4M L 89‘ &**
45,3,‘ D2&*848,3‘ 1 2*;‘ 329981,‘ 4 ‘ 9) :‘ &‘ =8* 4‘ 1&=&A*,‘ 9‘
7,&45,)8(?‘ 45,‘ 1 : 8(?‘ 34) :‘ 45,‘ &);8(&* B82*8 ‘ (7‘
*, : ,(4‘ ‘ 7&3‘ 45,‘ : &(‘ 9)‘ 45,‘ 11&38 (
5,‘ *,&;8(?‘ AH,143‘ 9‘ 583‘ =&=&* &; : 8(834)&48 (‘ &(;‘
8(;,,;‘ 9‘ 583‘ ,(48),‘ *89,‘ 7,),‘ 98)34‘ 45,‘ &??)&(;83, : ,(4‘ 9

U [' # ' ' ' ' '

W[! 45,' 5 23,' 9' ,;818' &(;' 45,' ,34&A*835 : ,(4' 9' *,33&(;) ' 75 ' 7&3' 8(' &*' =) A&A8*846' 583' 7(' 3 (' 8(' = 33,338 (' 9' 45,' &A3 *24,' 3 ',),8?(46' 9' *),(1,' 5,' 3,1 (;' &8 :' 9' 583' = *816' A24' D284,' 32A);8(&4,*6' 4 ' 45,' 98)34' 7&3' 45,' *8A,)&48 (' 9' 4&*6' A24' ,3=,18&**6' 9' 45,' ,11*,38&3481&*' 4&4,3' 9) :' 45,' ,'8*3' &(;' ;&(?,)3' 8(1,33&(4*6' &)838(?' 9) :' 45,' 1 :=,48(?'=),4,(38 (3' 9')8'&*' 9),8?('3 ',),8?(3' 4 ' 4&4,3' 78458(' 45,' =,(8(32*&' &(;' 45,' =),3,(1,' 9' 45,8)' &) :8,3' (' 45,' 458);' =*&1,' 5,' 7&3' &(O8 23' 4 ' 4)8 :' 45,' 1 28.3,' 9' 583' ,11*,38&3481&*' = *816' 3 ' ;,O4,) 23*6' &3' 4 ' @,,=' 4 ?,45,)' &3' 9&)' &3' :8?54' A,' 348**' = 338A*,' 45,' 9)&?:,(43' 9' 583' 3=8)842&*' &245)846' 7845 24')2((8(?' 8(4 ' 45,' 8(98(84,*6' ;),&;,;' ;&(?,)' 9'&' B,(,)&*' 2(18*

5,' =) 3=,14' 9' 45,'9242),'&4' 45,'48 :,' 9' 583' ,*,'&48 (' 7&3' &' =,)=*,O,;' &(;' 4) 2A*,;' (,' &(;' 45,' (*6' =&45' 45) 2?5' 84' 4 ' 45,' &8 :3' 5,' 5&;' 8(' '8,7' 7C3' : 34' ;899812*4' &(;' 8(4)81&4,' 24' &' 34)&8?54' :&)15' &* (?'&(' =,(') &;' 7 2*;' 5&' ,' A,,(' *,33' 1 (?,(8&*' 4 ' 45,' 4&*,(43' &(;' 4, :=,)&< :,(4' 9' 45,' = *8481' (4898F *&1,;' 1 :=&)&48',*6' = 7,)< *,33' &3' 4 ' :&4,)8&*' 34),(?45' A,47,,(' 45,' 47 ' ?),&4' 1 (< 4,(;8(?' 9)1,3' 5&8F*,3' &(;')&(183M' 7845' 583' ;899812*48,3' 1 :=*81&4,;' A6' 5 4' 5,&;3' 8(' *),(1,' &(;',),' * (?' A6' 45,' &;;848 (&*' 4) 2A*,3' &(;' ;&(?,)3' &)838(?' 9) :' 45,' 2()2*6' =&338 (3' &(;' 5,&;* (?' '8 *,(1,' 9' ,()6' ' 5,' 5&;' *844*,' 4 ' ;,=,(;' (' 3&',' 583' 7(' 4&*,(43' 9)' 8(4)8?2,' ;,O4,) 23' 1)&94' &(;' 78*6' = *816' 24' 45,' (&42),' 9' 45,' 3842&48 (' 7&3' ,O&14*6' 3215' &3' :8?54' 3,,:' 4 ' =) :83,' &' 9&8)' 5 =,' 9' 3211,33' 4 ' 45,' 3&?&18 23' 23,' 9' 45,3,' 7,&= (3' 4' 35 2*;' 3,,:' 45&4' *,:,(4' 7&3' ,O&14*6' 45,' :&(' 9)' 45,' 3842&48 (' &*:' :;,)&4,' 2(8:=&338 (,;' :215' ,O=,<)8,(1,;'&148',' '8?8*&(4' &3424,' 7845' (458(?' ?,(8&*' *&)?,')' (A*,' &A 24' 58:' A24' ;,1) 23' 1)),14' &(;' ,:8(,(4*6'),3=,14&A*,' 45 2?5' &4' A 44 :' 2(31)2=2* 23' 75,(' 31)2=*,3' 7 2*;' 5&' ,' 34 ==,;' 583' =&45' 84' :8?54' A,' 45 2?54' 45&4' 5,' 89' &(6' :&(' 7 2*;' A,' *8@,*6' 4 ')83,' &' 78((,)' 9) :' 45,

U ' # ' ' ' ' '

' ' &(;'3* 7'4 ' ;,18;,M &=4' :), ',)' 4 ' 15&(?,' 583'),3 *2.'
P 48 (3' ,&38*6' 75,(' 5,' 5&3' 4&@,(' 45,:' &(;' 45&4' (4' ('
?)&',' ?) 2(;3' 75815' 7 2*;' A,' 8(;,,;' 45,' =&)4' 9' &'
783,' :&(' A24')&45,)' 9) :' 8(38?(8981&(4' &(;' 2(8:=)4&(4'
1&23,3 G

4' 45,'48:,' 9' 583',*,'&48 (' *,:,(4'7&3' 45,'1* 3,'&**6'
&(;' 9)8,(;' 9' 45,' :=,))' 75 3,'= 7,)' 7&3' 98):*6',34&<
A*835,;'&4' &=*,3'&(;'9)'45,':: ,(4'8('45,'&31,(;&(4'&*3'
&4' 8*&(' 5,'1 (;848 (' 9' 4&*6'7&3' :34' *&:,(4&A*,'
5,'1 (34&(4' :',:,(4' 9' (,1,3384 23' &(;'2(;8318=*8(,;'
4) =3'75 3,'=&6'7&3' &*7&63' 8(' &)),&)'5&;'),(;,),;' 45,'
1 2(4)6' *844*,' A,44,)' 45&(' &' ;,3,)4' 8*&(' 7&).3:844,('
=*&?2,.3:844,('9&:8(,.3:844,('1)235,;'&3' &'1 (4,:=)&)6'
7)84,)'=5)&3,3'84',',('4'45,'3D2,,>8(?' 24' 9'45,'A* ;' 9'
843'8(5&A84&(43'&(;'),;21,;'4'&'1 (;848 (' 9';83)?&(8<
>&48 (' &(;' :83,)6'45&4' 7 2*;'5&',' :&;,' &(6'3&(,')2*,)'
=&23,',),'5,'7 2*;'&11,=4' 45,'),3= (38A8*846' 9' &44,:=48(?'
4 ')2*,'84'7&3'348**'&3' 84' 5&;'A,,('9)'3 ' :&(6'6,&)3'45,'
=)8(18=&*' =)8>,'9)'75815'45,' :=,))'&(;'45,'),(15'@8(?'
7,),'1 (4,(;8(?'8(' 4&*6

5,'3&:,'47 ')8'&*3'&3'),=),3,(4&48',3' 9'45,'5 23,3' 9'
))&? (' &(;' (H 2'2(5&==8*6'9 2(;'A24'4 '),&;8*6'1 :<
=,48(?'=),4,(38 (3'4'45,'45) (,' 9' &=*,3'&*3 ')42(&4,'
1 :=&)&48',*6'7 2*;'84'5&','A,,('9)' 4&*6 L 348**'&3',',)'
F'3,)'&' 4&*8&';8';*),' 34,** G' 45,'3&:,'F',(3*&',;' 4&*6'
&A8;8(?' =*&1,' 9'7 ,G' 9'75 3,'3)) 73' &(4,'3&(? L 89'
35,'1 2*;' (*6'5&',' A,,(' 45,'2(;83=24,;'45)&**' 9' (,'
),1 ?(83,;':&34,)Q 24'5,)'35)41 :8(?3'&(;'7,&@(,33,3'
C&;' ; :,;'5,)' (4' (*6'4'3*&',)6'A24'4'A,'4)&:=*,;'
' 2(;,)'45,'9,,4' 9'46)&(43'98?548(?'9)'5,)' :248*&4,;'A ;6'
3'2(1,&38(?*6'45&4'7,),'84' (4' 9)'45,'2(1 (D2,)&A*,'
'84&*846' 9'5,)')815*6.,(; 7,;' =56381&*' (&4:J,'5,)' =*&8(3'
:234' * (?'38(1,'5&',',A,,('&3'45 3,' 9' 38&'&(;'5,)'1848,3'
&3' 8(,',5'&(;' &*:6)&

(' 45,' (,1,33846' 9' 34,,)8(?' 45,8)'1 2)3,'A,47,,(' 45,3,

( )4 0 (' :&34,)3' 7)&(?*8(?' &3' &'),1,(4' 4&*8&(' = ,4' 5&3' 3&8; . ',)' 5,)' 5 (,3 J' 84' 8(8?54' 3,, :' 45&4' 45,' =,' &(;' 45,' 45,)' 4&*8&(' = 7,)3' 7 2*;' 5&',' 9 2(;' 84' 38 : =*,34' &(;' 3&9,34' 4 ' 38;,' 7845' 58 :' 75 ' 9)' 45,' 48 : ,' A,8(?' &==,&),;' 45,' 34) (?,34' 24' 45,' ,',).=),3,(4' 9,&)' 9' A,8(?' 75 **6' ',)75,*: ,;' 32A;2,;' &(;' &A3)A,;' A6' 45,' F' A&)A&)8&('G' =),',(4,;' 45, :' 9) :' &*7&63' &; =48(?' 3215' &' *8(,' 9' = *816 5,' =&(8&);' 45,'),(15 :&(' &(;' 45,' B,):&(' 7,),' =) M' A&A*6' 5&4,;' A6' 45,' 4&*8&(3' 7845' ',)6' 1 (38;,)&A*,' 8 :< =&)48&*846' 45 2?5' &*4,)(&48(?' 18)12 :34&(1,3' 1&23,;' (7' ' + (,' &(;' (7' 45,' 45,)' 4 ' A,' 45,' =)8(18=&*' AH,14' 9' 45,8)' 9,&)' &(;' &',)38 ('9)' 45,' 48 :,' A,8(?' (;' 45,' 2(D2,(15.' T.&A*,' ^',).6,&)(8(?' ;,38),' 9' ,',)6' 4&*8&(' 5,&)4' 4 ' = 33,33' 45,8)' 7(' 4&*6' &(;' 4 ' ;)8',' A&1@' 45,' F' A&)A&)8&('G' &1) 33' /845' : 2(4&8(3' 9) :' 99' 5,)' 3&1),;' 3 8*' 7&3' &*7&63' =) :=4< 8(?' 5,)' 34&4,3 :,(' 4 ' 34)8',' &4' 12)A8(?' 45,' = 7,)' 9' 45,' ==),33)' 75 ' 15&(1,;' 4 ' A,' 9)' 45,' : :,(4' : 34' 8(' 45,' &31,(;&(4' A6' *,(;8(?' &' 5,*=8(?' 5&(;' 4 ' 583' &;',)3&)6

(;' ; 2A4*,33' *,:,(4' 7&3' & 3299818,(4*6' ? ;' 4&*8&(' 4 ' 7835' 9)' 45,' ,O=2*38 (' 9' 45,' 34)&(?,)' 89' 84' 1 2*;' A,' &11 :=535,;' 7845 24' 8(4,)9,)8(?' 7845' 45,' 3211,33' 9' :),' 3,*9835' &(;' :),' ;,&)*6' 15,)835,;' =*&(3' ,' ;,38),;' 84' A24' 84' 7&3' 9&)' 9) :' A,8(?' 45,' 9),: 34' AH,14' 9' 583' ;,38), 4' 7&3' 3 ' 3,1 (;&)6' 4 ' 4583' 45&4' 5,' 7&3' ,',)' ,&?,)' 4 ' &'&8* 58 :3,*9' 9' 45,' 32==)4' 9' ,845,)' =&8(')')&(1,' 9)' 45,' &44&8(:,(4' 9' 45,' ,(;' 45&4'),&**6' *&6' (,O4' 583' 5,&)4 L 45,' ,34&A*835 :,(4' 9' 583' 7(' 9&:8*6' 8(' 45,' 3 ',),8?(46' 9' *),(1,

458(?' 1 2*;' 5&',' A,,(' :),' 2(9)42(&4,' 45&(' 45,' 1 (,7' =,P3' 98)34' 34,=3' ' 45,' >8?.>&?' =&45' 75815' 5,' =) = 3,;' 4 ' 9 ** 7' ,1 :8(?' &*&):,;' &4' 45,' =),= (< ;,)&48(?' = 7,)' 9' 5&)*,3' 8(' #-' 5,' ,(4,),;' 8(4 ' &' *,&?2,' 7845')&(183' M A24' 31&)1,*6' 5&;' 4583' A,,('1 (1*2;,;

481&**6' 1&**' 45,' $8(?3' 9')&(1, L A4&8(,;' 583'),*,&3,' 9) :' S
583' &;)8;' =)83 (' A6' =) :838(?' (' &45' (' 45,' N'45' 9' W [
E&(2&)6' #!' &**' 45&4' 5&)*,3' ;)8'8(?' &' 5&);' A&)?&8(' 15 3,'4 ';,:&(;' 9'58:' (;' *,:,(4'5&34,(,;'4 '=) ',' 45,' 38(1,)846' 9' 583'),(,7,;' 9)8,(;358=' A6'&'=) 9,338 (&*' 1 (4)8A248 (' 4 ' 45,' 3211,33' 9' 45,8)' (,7' &**8&(1,' 8(' 45,' 7,*1 :,'35&=,' 9' &'=*,(&)6'&A3 *248 (' 9) :'&**' A3,)'&(1,' 9'45,' &453'3 '37)(J

215'8** ?81&*' 1)848183:' 5&3' A,,(' ,O=,(;,;' ('45,' ;,< *8A,)&4,'A),&15' A6')&(183' 9' 45,' A*8?&48 (3' 5,' 5&;'1 (.' 4)&14,;' 4 7&);3' 5&)*,3'),32*48(?' &3' 232&*' 9) :' 45,' &44,:=4' 4 ' &==*6' 4 '45,3,'4)&(3&148 (3'&'34&(;&);' 9' ;246' ,(488P,*6';899,),(4' 9) :'45&4'),1 ?(83,;' A6'45,' =&)48,3' 1 (< 1,)(,;'8('45,:')&(183' 7&3'&A3 *',;'9) :'45,' A*8?&48 (' 9'583' &45'&(;'4583'&A3 *248 (' 7&3' (,1,33&)8*6',)?&).,;,;'&3' '&*8;' A6' 5&)*,3' 5,),'7&3'(';2A4'&A 24'45,' =,P3' = 7,)'3 '4 'A8(;'&(;'4 '* 3,' (;,)'3215'&'3634,:'&(' &45'A,1 :,3' 9' 1 2)3,' 9' ',)6' :215';8:8(835,;''&*2,' &3'&'3,1:846M &(;'45,'),32*48(?')83@' :234'&3'8(' &**' 3215' 1&3,3'5&',' A,,(';831 2(4,;' A6'45,',O&14)' 9'45,' &45')2,'45&4'5 (2)' ? ;'9&845'&**' (A*,'4)234' 9' :&(' 8(' :&(' &(;',',('45,' ',)6'8;,&' 9'45,''&*2,'&(;'3&1),;(,33' 9' 4)245'&),' ;,34) 6,;' &(;'),(;,),;' 8:=338A*,' A6'3215'&' 1),,;' 24'4583'&*3 '83' &11,=4,;'5 7,',)'1 (318 23*6')' 2(1 (318 23*6' A6'45 3,'75 ' &11,=4' 45,' ;14)8(,3' 9) :' 75815' 45,3,'),32*43' (,1,33&)8*6' 9 ** 7' 0 ,' 9) :' 58?5,)' ?) 2(;' :&6'4523' 1)848183,'45,' :)&*846'75815'9):,;' 45,' 1 ;,' 9' A 45' =&)48,3' &*8@,' 24'&3' A,47,,('45,'F 34' &45 *81'G' &(;'45,'F 34' 5)8348&('G' :(&)15'45,),'7&3' ('H234'1&23,' 9'1 :=*&8(4'II

I ('45,'##(;' 9' &6'9 ** 78(?'45,' =,',(4,),;'8(4 '&' 9):&** *,&?2,'7845')&(183' ,(81,'H 8(,;'5,)'4) =3'4 ' 45 3,' 9'45,' 11*,38&3481&** 4&4,3'&(;'45,6':&)15,;'4 ?,45,)

UW ' # ' ' ' ' '

B A 32==)4' 9' 45,' 8*&(,3,' 75 ' 5&;')83,(' 8('),' *4 &?&8(34' 45,' :=,))' 33834&(1,' 5&;' &*3 ' A,,(' =) :83,;' A6' ,()6' 9' (?*&(;' 75 ' 5&;' 348=2*&4,;' 5 7,',)' 45&4' 5,' 35 2*;' (4' A,' (&:,;' &3' &'=&)46'4 ' 45,' &**8&(1,' A24' (*6' 1 (38;,),;' &3' 843' =) 4,14) J

583' 7&3' 45,' : 34' 34),(2 23' &(;' : 34' 2(84,;' &44,:=4' 4&*6' 5&;' 6,4' :&;,' 4 ')8;' 5,)3,*9' 9' 45,' ; :8(&48 (' 9' 45,' 34)&(?,)' &(;' =&4)8 481' 5 =,3' A,&4' 58?5' 8(' 3,',)&*' 4&*8&(' 5,&)43' B8 '&(' &44,' B8A,)4 ' 835 =' 9' ,) (&' 45,' 9)8,(;' &(;' 1 2(3,**)' 9' *,:,(4' 7)84,3' 4 ' 45,' 835 =' 9' ,)2*8' 45&4' F'4583' 7&)' 83' 4 ' ;,18;,' 75,45,)' 4&*6' 35&**' A,' 9),,')' ; :,;' 4 ' =,)=,42&*' 45)&*; :G' ,' 4)2343' 45&4' (' 9),8?(' &8;' 78**' A,'),D28),;' F 5,' ?* 86 G' 5,' 1 (< 48(2,3' F' 78**' A,' &**' 2)' 7(' &(;' 3 ' :215' 37,,4,)' 78**' A,' 45,' 9)284 G'9

(' 45,' :8;34' 9' &**' 4583' :&@8(?' &(;' A),&@8(?' 9' &**8&(1,3' &(;' &453' &(;' 9' 45,' =,)=*,O848,3' &(;' &*4,)(&48(?' 5 =,3' &(;' 4,)))3' &)838(?' 9) :' 45,:' *,:,(4',',)' :8(;92*' 9' 45,' ?),&4' AH,14' 9' 583' &:A848 (' 3,(4' 99' 45,' 6 2(?'=)8(1,3' 9' 583' 5 23,' 9) :' :,' 4 ' *),(1, L == *84 ' 98)34' (' 45,' "45' 9' E2*6' #-' &(;' *,33&(;)' &(;' &45,)8(,' 35)4*6' &94,)7&);3' == *84 ' 7&3' 45,' 8**,?848:&4,' 3 (' 84' 78**' A,'),:,:A,),;' 9' B82*8&(' 2@,' 9' ,: 2)3M *,33&(;)' 45,' 8**,?848:&4,' 3 (' 9' [8(' &**' =) A&A8*846]' *,:,(4' M &(;' &45,)8(,' 45,' *,?848:&4,' ;&2?54,)' 9'),(> ' 2@,' 9')A8(' 5,6' 7,),' &**' 45),,',(4)234,;' 4 ' 45,' 1&),' &(;' ?28;&(1,' 9' 8*'8 ' &33,)8(8' &);8(&*' 9')4 (&' 75 ' 1 (< 48(2,;' 4 ' A,' *,:,(4P3' " ' 8(' *),(1,' == *84 ' 45 2?5' (*6' 9894,,(' 6,&)3' *;' 7&3' ;,1*&),;' ,*8?8A*,' 4 ' &** 9* 1,3' 9' 34&4,' 8(' 45,' ,=2A*81.M &(;'),38;,;' 8(' 45,' &*&>> ' ,;818' 7845' 45,' &);8(&*' 4 ' 75 :' *,:,(4' 5&;' 1 (98;,;' ' 45,' ? ',)(:,(4' 9' 45,' 6 2(?' :&(' &(;' &**),&* = 7,)' 8(' 45,' 4&4,' *,33&(;)' 7&3' 3,(4' 4 ' 45,' A,&24892*' '8**&' 9

" 083:<4'+,2'4' 5'X '69':41'
%' 611636'94' 34.:454'+,2'4' 5'W

??8 ‘ &‘ &8&(‘ 3842&4,;‘ (‘ 45,‘ :A) (,‘ &A 24‘ 5&*9‘ 7&6‘ A,47,,(‘ *),(1,‘ &(;‘ 834 8&‘ ,‘ 7&3‘ =*&1,;‘ 2(;,)‘ 45,‘ 424)358=‘ 9‘ 33 ‘ ;,P 8; *98‘ ‘ 5,‘ =)2;,(4‘ (4899‘ 5&;‘ H2;?,;‘ 84‘ 783,‘ 4523‘ 4 ‘ 3,=&)&4,‘ 45,‘ 6 2(?‘ :,(‘ 3&63‘ :.‘ :8)&4 ‘ 9[ )‘ 9,&)‘ 9‘ D2&)),*3‘ 75815‘ 45,8)‘ :242&*‘ 5&4),;‘ 5&;‘ &*),&;6‘ :&;,‘ A24‘ 4 ‘ =) A&A*,

5,‘ ‘,)6‘ 98)34‘),32*4‘ 9‘ 45,‘ =,P3‘ *&34‘ 34,=‘ :234‘ 5&‘,‘ 329981,;‘ 84‘ :&6‘ 7,**‘ A,‘ 45 2?54‘ 4 ‘ 1 (‘ 8(1,‘ 58:‘ 45&4‘ 84‘ 5&;‘ A,,(‘ &‘ 9&*3,‘ (,‘ 0 58*,‘ 45,‘ 2(84,;‘ 4&5&(‘ 9)1,3‘ 7,),‘ :&)158(?‘ 4 7&);3‘ :A&);6‘ &‘ 8,4‘ 7&3‘ A,8(?‘ 5,*;‘ &4‘ =8),3‘ 9)‘ 45,‘ =2)= 3,‘ 9‘ 98(;8(?‘ 3 :,‘),:,;6‘ 9)‘ 45,‘ 8(1),&38(?‘ ;83);,)3‘ 9‘ 45,‘ 52)15‘ 4‘ 7&3‘ (,‘ 9‘ 45,‘ 1)83,3‘ 75815‘ 112)‘ &?&8(‘ &(;‘ &?&8(‘ 8(‘ 45,‘ 5834)6‘ 9‘ 45,‘ &=&*‘ 3,,‘ ;,: (34)&48(?‘ 45,‘ 8(1 :=&48A8 46‘ 9‘ 45,‘ 8(<4,),343‘ 9‘ 45,‘ (4899‘ 7845‘ 45 3,‘ 9‘ 45,‘ 4,:=)&*‘ 3 ‘,),8?(‘ 9‘ 45,‘ 11*,38&3481&*‘ 4&4,3‘ ?&8(‘ &(;‘ &?&8(‘ 45,‘ *8(,‘ 9‘ 1 (;214‘),D28),;‘ A6‘ 45,‘ =,P3‘ 4,:=)&*‘ 8(4,),343‘ &3‘ &(‘ 4&*8&(‘ =)8(1,‘ 83‘ 9 2(;‘ 4 ‘ A,‘ == 3,;‘ 4 ‘ 45&4‘ 75815‘ ,11*,<38&3481&*‘ 1 (38;,)&48 (3‘ 7 2*;‘ 5&‘,‘ ;814&4,;‘ (‘ *&4,)‘ ;&63‘ 45,‘ *&44,)‘ 5&‘,‘ :&8(*6‘ =),‘ &8*,;‘ (‘ 45,‘ 98)34‘ 5&*9‘ 9‘ 45,‘ 38O4,,(45‘ 1,(42)6‘ &‘ :34‘ 1)8481&*‘ ,= 15‘ 45,‘ 9):,)‘ 7,),‘ 45,‘ :34‘ = 7,)92*‘ 5,‘ ;:8(&(4‘ 9&845‘ (4‘ 6,4‘ &*&):,;‘ 8(4 ‘ ,&)(,34(,33‘ A6‘ == 3848 (‘ &(;‘ 45,‘ 1 :=,4848 (‘ 9‘ &‘)8‘ &*‘ ,O,)183,;‘ A24‘ *844*,‘ *8‘ 8(?‘ 8(9*2,(1,‘ (‘ 45,‘ 5,&)43‘ &(;‘ =&338 (3‘ 9‘ :,(M &(;‘ 8(‘ 45,‘ =,3‘ 9‘ 45 3,‘ ;&63‘ 45,‘ =)8(1,‘ &*7&63‘ ‘,).) ;,‘ 45,‘ A835 =‘ *,:,(4‘ 8(‘ 4583‘),3=,14‘ 9 ** 7,;‘ 45,‘ ,O& :=*,‘ &(;‘ 4)&;848 (&*‘ 5&A843‘ 9‘ 45 2?54‘ 9‘ 583‘ =),;,1,33)3‘ 24‘ 583‘ * 4‘ 7&3‘ 1&34‘ (‘ :),‘ ;899812*4‘ 48:,3‘ ,‘ 34 ;‘ (‘ 45,‘ ‘,)?,‘ 9‘ &(,7‘ ,= 15‘ 75,(‘ 45,‘ &=&16‘ 7&3‘ &A 24‘ 4 ‘ =&3C8(4 ‘ &(‘ ,(48),*6‘ (,7‘ =5&3,‘ 9‘ ,O834,(1,

,);8(&(;‘ 9‘ 234)8&‘ 75 ‘),=),3,(4,;‘ 583‘ A) 45,)‘ 45,‘ :=,))‘ &4‘ =8),3‘ F‘ 38?(,;‘ &‘ ;,1),,‘ 9‘ 45,‘ :=8),‘ 75,),A6‘ 45,‘ 4&4,3‘ 7,),‘ ;,1*&),;‘ 9),,‘ 4 ‘ 1 :=)4‘ 45,:<3,*‘,3‘ 8(‘ :&44,)3‘ 9‘),*8?8 (‘ &3‘ ,&15‘ 35 2*;‘ A,34‘ &(37,)‘ 84

* ' 4 ' B ;' &(;' 45,' :=,))' # #' &11);8(?' 4 ' 45,8)' 7(' =)8'&4,' H2;?:,(4' (' 4583'),3 *248 (' ('),9,),(1,' 75&4< ,',)' 7&3' :&;,' 4 ' 45,' =,'M &(;' 84' :&6' 9&8)*6' A,'),?&);,;' &3' 45,' 1 : :,(1,:,(4' 9' 45,' 4)2,'),9):&48 (' &(;' 45,' ,34&A*835:,(4' 9' &' (,7' 152)15' 8(' B,):&(6 G' J' J 5,),' 83' ,',)6'),&3 (' 4 ' 458(@' 45&4' 458(?3' 7 2*;' (4' 5&',' 5&==,(,;' 4523' 5&;' *,:,(4' (4' :&;,' 5&)*,3' 583' ,(,:6 ')' 89' 7)*;*6' *,:,(4' 5&;' ((,' 9' 45,',&)(,34(,33' 9' &2*' ' 3 ' (,845,)' 5&;' = *8481' 5&)*,3' 45,' >,&*' &(;' 9&(&48183:' 9' 58*8=' ' 5,' 48:,' 9)' &' &2*' ' &(;' &' 58*8=' ' 7&3' 1 :8(?' A24' 7&3' (4' 6,4' 1 :,' (;' 5&)*,3' ' (' =&(8&);' A24' &' 45 2?5492*' *,:8(?' 758*,' 5,' 7&3' 8(' 45,' :&8(' &' ? ;' &45 *81' 7&3' 6,4' :215' =,)32&;,;' 45&4' 45,' 52)15' (,,;,;'),9):' ,' 7&3' 45,),9),' (4' ;838(1*8(,;' 4 ' 5,&)' 75&4' :8?54' A,' 3&8;' 8(' 9&' 2)' 9' 45,' (,7' ; 14)8(,3' &(;' 7&3' 7845&*' 8(' 45,' 3 :,75&4' 2(3,44*,;' 34&4,' 9' 583' 1 ('8148 (3' &4' 45&4' =,)8 ;' 9' 583' *89,' &' 3299818,(4*6' *2@,7&):'),*8?8 (834' 4 ' =,):84' 45,' &: 2(4' 9' 32==)4' 5,' 7&3' ;83= 3,;' 4 ' ?8',' 45,' =,' 4 ' A,' ',)6':&4,)8&**6' 8(9*2,(1,;' A6' 45,' 15&(?8(?' 1 (38;,)&48 (3' 9' 4&4,' = *816

4' :&6' A,' ,&38*6' 8:&?8(,;' 45&4' 45,' F 34' &45 *81G' : (&)15' 9,*4' 4 7&);3' *,:,(4' &4' 4583' 48:,' 8(' &' :&((,)' 75815' *,;' 58:' 4 ';8348(?2835' ',)6' (81,*6' A,47,,(' 45,' 8(< 9&**8A*,' 5,&;' 9' 45,' 2(8',)3&*' 52)15' &(;' 45,' 3 ',),8?(' 9' 45,' 11*,38&3481&*' 4&4,3' 5,' *8(,' 9' ;,:&)1&48 (' (7' 3 ' &==&),(4' 4 ' 5&)*,3' 5&3' 45,' =) =,)46' 9' A,1 :8(?' '838A*,')' 8('838A*,' 4 ') 6&*' ,6,3' &11);8(?' &3' 45,' 3=8)842&*' 15&<)&14,)' 9' 45,' * *6' &45,)'83' 8(' @,;' 4 ' 3&(148 (',11*,38&3481&*' 46)&((6' &?&8(34' : (&)153')' &?&8(34' 45,8)'=, =*,' 583' *8(,' (7' A,1&:,' 3 ' =&*=&A*,' 4 ' 45,' F 34' &45 *81' G' :=,))' 45&4' 45 2?5' 5,'),4&8(,;' 45,' 24: 34'),3=,14' &(;'),',),(1,' 9)' 45,' '81,?,),(4' 9' 5,&',('5,' 45 2?54' 45&4' &' *844*,' 1)),1< 48 (' &;:8(834,),;' 4 ' 45,' 3 ',),8?(' 9' :,' 7 2*;' (4' A,

&:833 &(; (458(? 1 2*; A, ,&38,) 45&(4 98(; :,&(3 !
),&;6 4 583 5&(;9) 45, 8(9*8148 (9 84 W [
5, * ((&3 7,), 9 1 2)3,),&;6 9)&),A,**8 ((45,
3*8?54,34 ,(1 2)&?,:,(4 P (;,,; 45, &);8(&* :=,
* ((& J75 3=,18&**6 5&4,; *,:,(4 9&(18,; 45&4 89 5,
1 2*; =24 583 5 *6 9&45,) 45, =, 24 9 45, 7&6 ,845,)
A6 :2);,)8(?) ;,= 38(? 58: 5, :8?54 ',86 *8@,*6 A,
&A*, 4 ?,4 ,*,14,; 8(583 =*&1, 75,((? ;8
(1&;& 5&)*,3P3 ?,(,)&* &4 &=*,3 =) = 3,; 4 45,
* ((&3 4 H 8(58: 8(& 544*, 9) *81 &4 *,:,(4P3 ,O=,(3,
45, (A*, &(; : 34),',),(; :,:A,)3 9 45&4 = 7,)92*
/9&:8*6 H2:=,; &4 45, =) = 3&* 5,6 @(,7 45&4 45, =,
5&; (4) =3 8: :,;8&4,*6 ;83= 3&A*, 9) 45, ;,9,(1, 9
:, &3 5, 5&;),1,(4*6 F (4 *,33 G 3&63 &)158 F 8(
;,98&(1, 9 45, ;814&4,3 9 =)2;,(1, 45&(8(A,;8,(1, 4
45 3, 9 =&)38: (6 G J ;8315&)?,; 45,: &** (38?(8(? &
4)21, 3 :, *844*, 48:, =),'8 23*6 7845 ,3=&38&(45, 3 (9
) 3=,) * ((& 5, 2(84,; 9)1,3 9 45, 81,) 6 &(;
45, * ((&3 &11);8(?*6 (, :)(8(? ,(4,),; :, &*4 <
?,45,) 7845 24 == 3848 (&(; :&)15,; &4 (1, 4 45,
&481&(5,6 1 :=*,4,*6 3&1@,; (4 (*6 45, =,P3
=&*&1, &(; 45,),38;,(1,3 9 :&(6 ?,(4*,:,(&(; =),<
*&4,3 A24 &*3 3&63 45, 5834)8&(Q F 7845 2(5,&);. 9
&'&)81, &(; 8:=8,46 G) AA,; 45, 3&1)8346 9 4 ,4,) 9
,',)6458(? 84 1 (4&8(,;
*,:,(4 5&; A&),*6 48:, 4 ,31&=, 8(4 45, 1&34*, 9
4 (?,* M A24 &3 5, 9 2(; 45,), (,845,) 3 *;8,)3 ( )
&::2(848 (( ) ,',(9 ; 9) &A ', 45),,;&63 5, 7&3
1 (34)&8(,; &4 45, ,(; 9 45&4 48:, 4 3,(; &:,33&?, 4
(? A,??8(? 58: 4 1 :, &(; 4),&4 7845 58: 9) 583
;,*8',)&(1, 5, : 34),',),(; &);8(&* :=, * ((&
7&3 :P?,(4 7845 45, ?,(,)&* 4 ; (458(? 9 45, 3)4
24 (? 5&; (5 =, 9 A,1 :8(? =,M &(; 458(@.

- !' ' 9 M ' 0 ' '

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8(?' 45&4' *,=8,(4P3 f5&3483,(8,(4' 5&;' ? (,.' 9&)7,5 48?5 .' : ,; ')5), 6,)' &3' &);58' 58(43'A6'&' =) :83,' 9'&''32 :' 9' : (,6C' 9)' 583' 7('=)8'&4,' =2)?,' 5,' 1 (3,(4,;.' 4 ' &' 4),&46'A6 7 5815J'45,' =,' &?),,;' 4 ' =&); ('45,' HD* ((&3' 8),,*6' 9)' &*' 45,6' 5&;' ; (,J&?&8(34' 58:'M 4 '4&@,'5 ' 34,=3' I4 '),',(?,' 58:3,*9' ('45,:M' 4 ' 7845;)&7'583'4) =3'9) :' :A&);6M' &(;' 4 '2(;,)4&@,'(458(?'8)4P&(6' 7&6 ')'2(;,)' &(6'=),4,O4'&?&8(34' 45,' :=,))M' 758*,' (583' =&)4' (' ? ' &?),,;' (' 45,3,' 1 (;848 (3' 4 '),34),' 45,' =,' 4 ' *8A,)46'&(;' 4 'D284' :,' 7845'583'4) =3

' 45,3,' 4,):3' *,:,(4'8(' 45,' 8:= 338A8*846' 9' ; 8(?' A,44,)'&?),,;' 24' 9' 1 2)3,' (A ;6';),&:,;' 9' 4&@8(?' 583' 7);' 9)' 45,' 92*98*:,(4' 9' 45,:' 8*8== ' 4) >>8' *,:,(4P3' ;,&)' 9)8,(;' :&(' 9' A238(,33'&(;' 9&:8*6' 1 (<(,148 (J' 7&3'84'3,,:3'7845'58:'8(' 4' (?,*' ;2)8(?'583' 1 (98(,:,(4' (' ? ' =,),:=4)8*6'),D28),;' &' 5 34&?,' 9)' 45,' 92*98*:,(4' 9'45,' 348=2*&48 (3' 8*8== ' 7&3'45,' ',)6' :&(' 4 '),(;,)' 45,' =,' 4583' 3,)'81,'ML 2(,O1,=48 (&A*,' 4 ' 45,' =&(835' ?,(,)&*' 9) :' 583' 3 18&*' = 3848 (' &(;' 7,&*45' &(;L &3' 7,' :&6' 9&(16' 45,' 9)8,(;*6' =,' 2)?8(?L 3 ' 45) 2?5*6' &1D2&8(4,;' 7845' 58:' *,:,(4'&3' 4 ' 9,,*' =,)< 9,14' 1 (98;,(1,'45&4' 5,' 7 2*;')2(' (')83@' 9) :'&(6'A),&15' 9' 45,' 1 (;848 (3' 9' 45,' 4),&46' 8*8== P3' @(7*,;?,' 9' 583' *;'9)8,(;' (' 45,' 1 (4)&)6'7&3' 3215'&3'4 ' :&@,' 58:' 9,,*' 45&4' 4 '? ' &3'5 34&?,'9)' 583' ? ;' 9&845' 7&3' (,' 9' 45,' *&34' 458(?3' 8(' 45,' 7)*;' 45&4' 5,' 7 2*;' 5&',' 7835,;' 4 ' 2(;,)4&@,' ,' ;,,:,;' 84'5 7,',)' ,845,)' 8:= 338A*,')' 8:=)2;,(4' 4 '),923,' &(;' 7&3' &11);8(?*6' :&)15,;' 99' &' =)83 (,)' 4 ' &=*,3'A6' (' ? ' ;8' (1&;&

F' (;' (7 G' 3&63' &)158' 4523'1 (1*2;8(?' 583' &11 2(4' 9'4583'),:&)@&A*,' 112)),(1,' F'89'&(6A ;6'35 2*;' 7 (;,)' &3' 7,*' 45,6' :&6'5 7'84'1 2*;'= 338A*6'1 :,' 4 '=&33'45&4' (,845,)' 45,' =, =*,' 9' :,' ( )'&(6' 45,)' 52:&(' A,8(?

" ;' #13,774@=') 83348>6' FG41<' 2834:6' 96@ 694:4' 1<6' =4=163',%' ,36.7,' (1',%' 3E4.,

A,348)),;' 4*8,:3,*',3'4 .5,*='45,' =,'8(v4583' 583' ?),&4'
';&(?,)'&?&8(34'3215'&'3:&**'(2:A,)' 9',(,:8,3 L 9)'45,6'
7,),'8(.&**'A 45'5)3,'&(;'9 4 (4:),'45&('47 '45 2<
3&(;' :,(L *,4'588('@(7.45&4' *A:,54'.7&3'&4' 45&4'48:,'
: 34'5&4,92*' 4 ' :,(' 9'&**'3)43' &(;'1*&33,3H'&(;J'45&4'9)'
'&)8 23'),&3 (3' ('45,'1*,)?6'5,'5&;'8:= 3,;' (,7'&(;'
2(7 (4,;'4845,3M/9) :'45,' 99818&*3' 9'45,' :&('1 2)4'5,'
5&; (' :&(6' 11&38 (3'&(;'9)' :&(6':(453'4 ?,45,)'
@,=4'A&1@'45,8)'=&6M 9) :'45,'=2A*81'=) 9,33)3' 9'*84,)&.'
4:.,'8('45,'315 *3' 5,'5&;'4&@,('&7&6'45,8)'348=,(;3M ('
1 : :,)1,'34&?(&(4'&3'84'7&3' ('&11 2(4' 9'45,'7&)3'45&4'
I7,),')&?8(?' &(;'45,'9,&)' 9' 45,)3'45&4'45),&4,(,;' 5,'
A&;'8:= 3,;',01,,;8(?*6'5,&'6'1234 :3'&(;'4&O,3' 5,'
3 *;8,)3' 9'583' 7('?2&);'7,),'3'=)*6'&(;'3'8)),?2*&)*6'
=&8;' 45&4'84' 7&3' 7845' 45,' ?),&4,34' ;899812*46'45,6'1 2*;'
:&8(4&8(' 45,:3,*',3' &(;'45,8)'5)3,3' ,'5&;'45) 7('
; 7(' 45,'5 23,3' 9' :&(6'8(;8'8;2&*3'9)'45,'3&@,' 9'
78;,(8(?'45,'34),,43' 9' :,'7845 24',',)'=&68(?'45,:'
9)'45,8)'=) =,)46' ,'3299,),:'45,'=, =*,'4 'A,' ==),33,;'
&(;'34&)',;' (4'3 ' :215'A6'45,' (&42)&*' 31&)1846'&(;'
;899812*48,3' 9'45 3,'6,&)3'&3C'A6'?)&(48(?',845,)'9)' :(,6'
)'9)'9&' 2)'=)8'8*,?,3'&(;' :(= *8,3'4 '9),34&**,)3'&(;'
),?)&4,)3'75 3,' =,)&48 (3' :(34) 23*6',(5&(1,;'45,'=)81,'
9'45,'(,1,33&)8,3' 9'*89,' (;'8('&'7);'45,' :&44,)'5&;'
1 :,'4 '3215'&' =8(4'45&4' (4' (*6'45,'9)8&)3'8('45,(.'
=2*=843'A24' :&(6'5,):843'8('45,'3D2&),3' 9'45,'1846'
=),&15,;'4 '45,' =, =*,'45&4' (4' (*6'45,'244,)')28(' 9'
4&*6 A24',',(' 9'45,'7)*;3'7&3'&4'5&(;M'&(;'3 :,' 9'
45,:'458(@8(?'45&4'458(?3'1 2*;'(4'A,'7)3,'45&('45,6'
7,),'7,(4'3 '9&)'&3'4 ' :&8684&8('45&4' =,' *,:,(4'7&3'
(' 45,)'45&(' (4815)834 G J

*,:,(4'45,'3&:,'5834)8&('&332),3'23'@(,7'& '4583'
&(;'&*'45&4':,('3&8;' 9'58:'&(;'583'=&=&16')8?54'7,**M

UW ' # ' ' ' ' '

W ! [&(;' 45,' @(7*,;?,' 9' 84' &;;,;' 8(4,(3846' 4 ' 45,' A2)(8(?' ;,38),' 9)'),',(?,' 75815' 7&3' 1 (32:8(?' 58:' 75,(' A6' '8)42,' @v' 45,' 4),&46' ,O4)4,;' 9) :' 58:' A6' (' ? ' @,' 1&:,' 9)45' 9) :' 4' (?,* ' &(;'),42)(,;' 4 ' 583' =*2(;,),;' &(;' ;,3 *&4,;' =&*&1,' 83' 98)34' 34,=' 7&3' 4 ' 4&@,' 8 4 P583' I=&6' 47 ' 45 23&(;' 7833' 5,(' 5,' 3,(4' 4 ' B8 '&8:8' ;,**,' &(;,' ,),' ;,38)8(?' 58:' 4 ' 3,(;' 58:' &4' (1,' 4 ' :,' 3,',(' 9' 45 3,' 9&: 23' A*&1@' 1 :=&(8,3' F 75 G ' 3&63' &)158' F' 45 2?5' 45,6' 7,),' (4' ',)6' :&(6' 8(' /(2:A,) J' 7,),' :,(' 9' 3215' &' 34&:=' 45&4' 45,),' 7&3' (458(?' 45,6' T 7 2*;' (4' ;&),' 4 ' &44,:=4' &(;' 31&)1,*6' &(6458(?' 8(' 75815' 45,6' 7 2*;' (4' 3211,,;G' 5,' =,' &4' 45,' 3&:,' 48:`' 7) 4,' =)8'&4,' *,44,)3' 4 ' 45,' 158,93' 9' 45,' ,&?2,' 7&)(8(?' 45,:' 4 ' =&6' (' 5,,;' 4 ' &(6' 34&4,:,(4'),3=,148(?' &' 4),&46K P :&;,' A6' 58:' 7845' 45,' :=,))' &(;' &332)8(?' 45,:' 9' 583' 8(4,(48 (' 4 ' 1&))6' (' 45,' 7&)' 7845' 45,' 24: 34' ,(,)?6' ,38;,3' 45,' 47 ' 45 23&(;' 7833' &(;' 45,' 3,',(' *&1@' :< =&(8,3' 45,' =,' A&)?&8(,;' 7845' 3,',)&*' 9' 45,' *&7*,33')2998&(' A&) (3' 9' 583' 7(' 4&4,3 L &' * ((&' 9' &*,34)8(&' 75 ' 7&3' &4' 9,2;' 7845' 45,'),34' 9' 583' 9&:8*6' &' &',**8' &(')38(8' &(;' &' &)(,3, L 4 ' 32==*6' 58:' 7845' &' 45 23&(;' 5)3,:,(

5,' 98)34' &)481*,' 9' 45,' 4),&46' 9)' 45,' ;2,' ,O,1248 (' 9' 75815' 8*8== ' 5&;' A,,(' ?8',(' &3' 5 34&?,' 7&3' 84' 78**' A,'),:,:A,),;' 45,' 9),,' &(;',(48),' =&); (' 9' 45,' * ((&3' 9)' &**' 45&4' 45,6' 5&;' ; (,' &?&8(34' 45,' =,'H A24' &3' 3 (' &3' ,',)' *,:,(4' 5&;' ? 4' 45,' &A ',' 4) =3' 4 ?,45,)' 5,' 1 :,(1,;' 3215' &(' &44&1@' 2= (' 45&4' 9&:8*6' &3')&),*6' &(6' =,' 5&3' :&;,' 2= (' ((.5,),481&*,(,:8,3' = (' 4583' 11&38 (' &4' &**,',(43' 45,' 4,:=)&* &(;' 45,' 3=8)842&* &):' =2**,;' 8(' =,)9,14' 1 (1);' 4 ?,45,)' 5,' 4) =3' 7,),' ;8),14,;' 4 ' ,(4,)' 45,' 4,))84)8,3' 9' 45,' * ((&3' &(;' 4 ' 3=&),' (458(?' (,845,)' =) =,)46' ( )' *89,' 4 ' A2)(' &(;' ;,34) 6' 5 23,3' :,(' 7 :,(' &(;' 158*;),(' 2)4,,(' 9' 45,' 1&34*,3' [A6' 75815' 7);' :234' A,' 2(;,)34 ;' 9)4),33,3

7845' :),')' *,33' 9' '8**&?,3' &44&15,;' 4 ' 45,:]' A,* (?8(?' -.]
4 ' 45,' =) 31)8A,;' 9& : 8*6' 7,),' 9&>,;' 4 ' 45,' ?) 2(;' F' (;' W
&(' 8(98(84,' (2 : A,)' 9' :,('&(;' 7 :,(G' 3&63' 5 (,34' &)158'
F'3299,),;' : 215' 9' 7) (?' &(;' 35& :,' &*45 2?5' 45,6' 5&;'
A,,(' 75 **6' A*& :,*,33' 8(' &**45,3,' : &44,)3 G
' 5,Y'F'3=8)842&*' &) :'G' :,&(758*,' 7&3' 7)@8(?' 7845'
2(9*&??8(?' ,(,)?6' 9)' 45,' :),' =,)9,14' ?)&48981&48 (' 9'
45,' =&=&*' ',(?,&(1,' *,:,(4' 92* : 8(&4,;' ,O1 : : 2(81&.'
'48 (3' &(;' 8(4,);8143' &(;' ,',)6' @8(;' 9' 1 : 3,' 8(' :,P3'
Y7,**.92)(835,;' 3=8)842&*' &)3,(&*' 2= (' 45,' 4,))84)8,3' 45,'
C5&A84&48 (3' &(;' 45,' =,)3 (3' 9' 45,' ;,' 4,;' 9& : 8*6' 45,8)'
=&)483&(3' &(;' &;5,),(43' 4' 7&3' &' B*,(1 ,' : &33&1),' 7845'
45,' &;;848 (&*' >,34' 9' @8**8(?' 3 2*3' &3' 7,**' &3' A ;8,3' '
: &33&1),' 523A&(;3' &(;' 78',3' =&),(43' &(;' 158*;8P,(' 8('
,&15' 45,)' 3' 38?54' : 8?54' ?*24' 45,'),',(?,92*')&?,' 9' &'
)2;,' *&6 : &(' 24' 4 ' ;83=&415' 45,:' 7845 24' 35)894')'
3&1)&: ,(4' ;,3=&8)8(?' 8(4 ' &(' ,4,)(846' 9' 4) : ,(4 L '
4583' 5&;' &' 9*&' 2)' 9' ',(?,&(1,' 984' 9)' 45,' 3=8)842&*'
'F=&*&4,' 9' &(' 99,(;,;' =,',',(' 45 2?5' 45&4' =,' 7,),'
&' ,;818
&((,)3' 9' 45,' 48 : ,Q ,3' 45&4' &' =,' 75 ' 1 2*;'
&A3 *',' 58 : 3,*9' 9) :'&**' A*8?&48 (' 9' &(' &45' &3' ,&38*6' &3'
A,' 1 2*;' 7&35' 583' 5&(;3' 35 2*;'A),&@' &' 4),&46' 75,(' ,',('
*&6 : ,(' 7,),' 1 (48(2&**6' ; 8(?' &3' : 215' 7&3' 9' 1 2)3,' ('
: &)',*M L 45,' (*6' 34)&(?,' 458(?' A,8(?' 45&4' &(6' A ;6'
35 2*;' ,',)' 5&',' 45 2?54' 84' 7)45' 758*,' 4 ' ,O&14' &(6'
=) : 83,')' &45' 9) :' &' F'3=8)842&*' =,)3 (G' 5&4' &('
99,(;,;' 3 ',),8?(' 35 2*;' A2)(' 3*&6' &(;' *&6' 7&34,' 7&3'
&*3 ' (&42)&*',(2?5' &(;' &11);8(?' 4 ' 45,' :&((,)3' 9' 45,'
48 :,' 5&4' &(' 99,(;,;' =,' 35 2*;' 12)3,' &(;' &(&45,<
: &48>,' &3' 7,**' 7&3' &*3 ' 4 ' A,' ,O=,14,;M &(;' 4523' 9&)'
*,:,(4' 7&3' &148(?' D284,' &11);8(?' 4 ' F'45,' 3=2 84' 9' 45,'
&?,'G' 8(' 75815' 5,' *8',;' 24' 89' 45,' * ((&3' &(;' 45,8)'
9)8,(;3' 5&;' (' H234' ?) 2(;' 9' 1 : =*&8(8(?' &?&8(34' 45,'
=,' 3215' 7C&3' (4' 45,' 1&3,' 7845' 8*8== ' 4) >>8'
' '

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‘ &A&(; (‘4523‘ &‘5 34&?,‘ 4 ‘ 583‘ 9&4,‘ 2(;,)‘ 18)12:34&(1,3‘ ‘4 ‘75815‘8(;81&4,;‘ 1*,&)*6J‘,(2?5‘45&4‘84‘5&;‘A,,(‘45,‘ 8(4,(48 (J 9‘58:‘9)‘75 :‘45,‘=*,;?,‘7&3‘?8',(‘4 ‘;‘3 ‘ &4‘45,‘',)6‘: :,(4‘ 9‘,(4,)8(?‘8(4‘45,‘A (;ML4583‘7&3‘ &‘;&:(8(?‘;,,;‘,',(‘&11);8(?‘4‘45,‘:)&*846‘ 9‘45,‘ 38O4,,(45‘1,(42)6‘ 4‘ '&3 :),‘M 84‘7&3‘75 **6‘2(?,(4*,.‘ :&(*8@,‘84‘ 7&3‘ :,&(‘A&3,‘4),&15,) 23‘35&AA6‘9&*3,‘8(‘ (,‘ 9‘45,‘',)6‘9,7‘18)12:34&(1,3‘ 9‘*89,‘8(‘75815‘&‘:&(‘ 7&3‘8(‘45 3,‘;&63‘,O=,14,;‘4‘A,‘4)2,‘ 4‘7&3‘&‘;,,;‘ 45&4‘8(‘&**‘=) A&A8*846‘(‘ (,‘ 9‘45 3,‘)245*,33‘1)8:,.‘ 34&8(,;‘A&)A&) 23‘A&) (3‘75 :‘45,‘ =,‘5&;‘58),;‘4‘;‘ 45,‘3,12*&)‘=&)4‘ 9‘583‘',(?,&(1,‘9)‘58:‘7 2*;‘5&',‘ 34 =,;‘4‘ ‘3215‘1 (;214‘83‘;2,‘45,‘),:&)@&A*,‘4 (,‘ 9‘1 (4,:=4‘75815‘83‘:8(?*,;‘7845‘45,‘5&4),;‘ 9‘ *,:,(4‘ 45&4‘:&6‘A,‘),&;‘8(‘&*: 34‘,',)6‘=&?,‘ 9‘45,‘1 (4,:=)&)6‘ 5834)8&(3

4‘7&3‘9)42(&4,‘9)‘ 8*8== ‘ 4) >>8‘45&4‘5,‘5&;‘A,,(‘ ;,*8',),;‘8(4‘45,‘5&(;3‘ 9‘ (‘ ? ‘45,‘ =&(835‘?,(,)&*‘ 8(34,&;‘ 9‘8(4‘45 3,‘ 9‘45,‘ &);8(&** * ((&‘ 5,‘9):,)‘ 5&;‘1&))8,;‘58:‘ 99‘4‘ &=*,3‘8: :,;8&4,*6‘ (‘45,‘38?(8(?‘ 9‘45,‘4),&46‘&(;‘@,=4‘58:‘45,),‘&‘1* 3,‘=)83 (,)‘ 24‘&3‘ 3 (‘ &3‘ ,',)‘ 45,‘ =,‘A,?&(‘583‘1)23&;,‘ &?&8(34‘45,‘ * ((&3‘8(‘9*&?)&(4‘A),&15‘ 9‘583‘9&845‘45,‘ &);8(&** :=,‘ :&;,‘2)?,(4‘ &(;‘),=,&4,;‘C&==*81&48 (‘4‘ (‘ ? ‘4‘5&',‘45,‘5 34&?,‘?8',(‘2=‘4‘58:‘45&4‘5,‘:8?54‘ =24‘58:‘4‘;,&45‘ (,‘9‘45,‘&)?2:,(43‘75815‘5,‘23,;‘ 4‘8(;21,‘58:‘4‘;‘3 ‘83‘7)45‘),1);8(?‘)&(183‘ 75‘ &94,)‘45,‘A&44*,‘ 9‘ &'8&‘5&;‘A,1 :,‘ 5&8.*,3‘ P3‘ =)83 (,)‘&(;‘5&;‘A,,(‘4&@,(‘4‘ &;)8;‘5&;‘A,,(‘),34),;‘ 4‘*8A,)46‘ (‘38?(8(?‘&‘4),&46‘&(;‘*,&'8(?‘583‘3 (3‘ 5 34&?,3‘7845‘ 5&)*,3‘&3‘=*,;?,3‘9)‘843‘92*98*:,(4‘ 7‘ 2(;,)‘45 3,‘18)12:34&(1,3‘2)?,;‘45,‘ &);8(&** * ((&‘ (458(?‘1 2*;‘A,‘ :),‘H2;818 23‘)‘ :),‘23,92** 4‘45,‘ :=,))P3‘8(4,),343‘45&(‘=2448(?‘4‘;,&45‘&‘5 34&?,‘75 3,‘ =)8(18=&** 5&;‘ A) @,(‘583‘9&845‘ 4‘7 2*;‘&14‘&3‘&(

&; : 8)&A*,' A8(4'4 ')&(183'4 ' : 8(;' 75&4'5,' 7&3' &A 24' &(;' 4,(;' :),' 45&(' &(6458(?' ,*3,' 1 2*;' 4 ' @,,=' 58 :' 4 ' 583' ,(?&?, : ,(43' 7845' 5&)*,3 J' (' ? ' 5 7,',)' 75 ' 5&;' (4'45,'3&: ,'),&3 ('9)' =&338 (&4,' &(?,)' &3' 45,' =,)3,124,;' * ((&3' 3,, : 3' 9) :' H,&* 236' 9' 583' 7(' &245)846' ',)' 45,' =)83 (,)' 75 ' 7&3' ?8',(' 8(4 ' 583' @,,=8(?' 4 ' 5&',' ;, : : P),;' 4 ' ?8'8(?' 58 :' 2=' (;' 758*,' 583' 5,384&48 (' *&34,;' 8*8== ' 584' 2= (' &' 315, : ,' 9)' 3&'8(?' 58 : 3,*9' &==,&38(?' 45,' * ((&3' &(;' =2(8358(?' 583' ;,&)' 9)8,(;' *, : ,(4' &4' (,' A* 7

&'8(?' : &(&?,;' 4 ' A4&8(' : ,&(3' 9' 1 : : 2(81&48 (' 7845' 47 ' *),(48(,' ,O8*,3' 45,(' 8(' &=*,3' 5,' 3,(4' 45, : ' 4 '45,' &);8(&*' * ((&' 7845' =) = 3&*3' 4 ' 45,' ,99,14' 45&4' 89' 5,' 7,),' 3299,),;' 4 ' ? ' 9),,' &(;'),42)('4 ' *),(1,' 5,' 1 2*;' 1&23,' 45&4' 1846' 4 '),' *4' &?&8(34' 45,' ,;818' &(;' 3,12),' 843' &;5,),(1,' 4 ' 45,' :=,))' 5,' &);8(&*' * ((&P3' &(?,)' 7&3' 9' 1 :P3,' &?&8(34' *, : ,(4' &(;' (4' &?&8(34' 4) >>8M' &(;' 4583' 315, : ,' =) : 83,;' (4' (*6' 4 ' ?)&4896' 583' 8(;8?(&48 (' A24'4 ' A,' 45,' : ,&(3' 9' 34),(?45,(< 8(?' ',)6' 1 (38;,)&A*6' 45,' :=,))P3' =&)46' 8(' 4&*6' 5,' * ((&' 45,),9),' H2 : =,1*' &4' 45,' =) = 3848 (' &(;'8 : : ,< ;8&4,*6' 23,;' &*' 583' 8(4,),34' 7845' (' ? ' 4A' A4&8(' 4) >>8P3' *8A,)46

(;' 84' 83' =) A&A*,' 45&4' 8*8== ' 4) >>8' 7&3' =) : 838(?' (' :),' 45&('5,' 7&3' &A*,' 4 ' =,)9) : ')' ;831 (4,(4' &(;' ;83&99,148 (' 5&;' A,,(' ?) 78(?')&=8;*6' 9' *&4,'8(' *),(1,' 2(;,)' 45,')2*,' 9' *, : ,(4P3' ? ',)( )' 8*'8 ' &33,)8(8' 45,' &);8(&*' 9')4 (&' 215' : ,(' &3' =,' *, : ,(4' &*7&63' ?,4' A&;*6' 3,)',;' A6' 45,' 32A);8(&4,3' 8(' 75 :' 45,6' =24' 45,8)' 1 (98;,(1,' 5,8)' = *816' 83' 4 ' ,: =* 6' 1),&42),3')&45,)' 45&(' 9)8,(;3' ,3= 481' A6' 4, : =,)' &(;' 9&*3,' A6' =)8(18=*,' &3' 7,**' &3' A6' (&42),' 45,6' 3,,@' (*6' 9)' A*8(;' 2(),&3 (8(?' A,;8,(1,' 4 ');,)3'H &(;' 9,&)8(?' 8(' 45,8)

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W [8(34)2:,(43‘ (4‘ 8(1&=&1846‘ A24‘ 4),&3 (‘ 45,6‘ 458(@‘ 84‘ =)2;,(1,‘ 4 ‘ ?2&);‘ &?&8(34‘ 45,‘ *&44,)‘ A6‘ ,:=* 68(?‘ :,(‘ 75 3,‘ 9&4,‘ &==,&)3‘ 4 ‘ A,‘ *8(@,;‘ 7845‘45,8)‘ 7(‘ &(;‘ 75 3,‘)28(‘ :234‘ 9 ** 7‘ 45,8)‘ 7(‘ 9&**‘ 5;‘ 3,)'&(43‘ 15 3,(‘ 2= (‘45,3,‘=)8(18=*,3‘ &),‘ (4‘*8@,*6‘4 ‘A,‘ 9‘&‘58?5‘1*&33‘ 9‘ ,845,)‘8(4,**8?,(1,‘)‘15&)&14,)

215‘ &‘ 1),&42),‘ 9‘ *,:,(4‘ 7&3‘ 4583‘ 8*'8 ‘ &33,)8(8‘ &);8(&*‘ 9‘)4 (&‘ &)158‘ 3&63‘ 9‘ 58:‘ 45&4‘F‘A,38;,3‘ A,8(?‘ ,O4),:,*6‘ &'&)818 23‘ ‘ " ‘ 5,‘ 5&;‘ (,845,)‘ 8(4,**,14‘ 4 ‘ 2(;,)34&(;‘ 45,‘ *),(48(,‘ 15&)&14,)‘ ( )‘H2;?:,(4‘4 ‘5&',‘ :&(&?,;‘84‘89‘5,‘5&;‘1 :=),5,(;,;‘ 84 G‘ **‘ 583‘ 1&),‘ 7&3‘ A6‘ '8?8*&(4‘ 3=68(?‘4 ‘@(7‘ &**‘45&4‘ 7&3‘ ? 8(?‘ (‘ 8(‘45,‘ 1846M‘ &(;‘ A6‘ ,',)6‘ 3)4‘ 9‘ (,7*6.‘ 8:&?8(,;‘4&O‘4 ‘ 3D2,,>,‘ &3‘ :215‘ &3‘ = 338A*,‘ 24‘ 9‘45,‘ 1848>,(3‘ 83&9* ,148 (‘ 4 ‘ 45,‘ ? ',)(:,(4‘ 5&;‘ 45,),9),‘ ?) 7(‘4 ‘ &‘ =,)8* 23‘5,8?54‘,',(‘&: (?‘45 3,‘75 ‘7,),‘ 4)&;848 (&*&;5,),(43‘ 9‘45,‘ ,;818M‘ Y38(1,‘ (7.&.;&63 G‘ 3&63‘ &)158‘F45,),‘ 83‘ (458(?‘45&4‘4 215,3‘,',)6‘:&(‘3 ‘ 1* 3,*6‘&(;‘ :&@,3‘ 58:‘9,,*‘3 ‘3),*6‘&3‘1&**8(?‘2= (‘58:‘ 4 ‘ ;83A2)3,‘1&35QG‘ 7.&.;&63‘3&63‘5 (,34‘ &)158‘45),,‘ 52(;),;‘6,&)3‘&? Q

4‘83‘*8@,*6‘,(2?5‘45,),9),‘45&4‘ 4) >>8‘ :8?54‘5&',‘ 3211,,;,;‘8(‘ :&@8(?‘&‘),'*248 (‘8(‘ *),(1,‘89‘5,‘5&;‘ ;&),;‘4 ‘3,4‘A *;*6‘&A 24‘84‘ 24‘84‘3 ‘42)(,;‘ 24‘45&4‘ &(45,)‘35&)=‘42)(‘8(‘ *,:,(4P3‘4)42 23‘ = *816‘15&(?,;‘ 45,‘= 3848 (‘ 9‘45,‘=8,1,3‘ (‘45,‘= *8481&*‘15,33A &);‘&(;‘ :&;,‘84‘2((,1,33&)6‘9)‘ 4) >>8‘4 ‘=*&6‘3 ‘A *;‘&‘?&:,‘ 0 58*,‘45,‘(,? 48&48 (‘A,47,,(‘45,‘ &);8(&*‘ * ((&‘&(;‘ (‘ ? ‘),3=,148(?‘45,‘?8'8(?‘2=‘ 9‘ 8*8== ‘ 4) >>8‘7&3‘ ? 8(?‘ 5‘45,‘ =,‘,(4,),;‘8(4 ‘&‘4),&46‘7845‘45,‘ 81,) 6‘ 9‘ &=*,3‘ 75815‘ (1,‘ :),‘ :&;,‘58:‘45,‘P :=,))P3‘ 9)8,(;M‘ &(;‘ &3‘ &‘ 1 (3,D2,(1,‘*8A,)&4,;‘ 4) >>8‘ 2(1 (< ;848 (&**6

24‘ 45,)‘9)1,3‘5&;‘A,,(‘=24‘8(‘ : 48 (‘A6‘45,‘ :=,))‘ 9)‘45,‘=) 3,1248 (‘ 9‘45,‘7&)‘8(‘ :A&);6‘&?&8(34‘45,

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48 (&A*6 7,&@ &: (?45,: (;,,;84 3,,:,;',)6(7 &(;45,(' 5 45,' = 8(4 9 1 :8(? 4 &(',(;&*4 ?,45,) 5,47 ?,(,)&*3 5&;45,' ?),&4,34 ;89* 12*46 8(' =),',(48(? 45,8)' &):6 9) :A,1 :8(? &(',(48),*6 &(&)1581&* &(;';83<)?&(83,;: A 9 9),,A 4,)3 &3 ;&(?,) 23 4 843 :&34,)3 &3 4 ',',)6A ;6,*3,' 9 1 2)3,'9 ;')&8:,(4 &(;35,*4,) 7,),'45,'98)34 &A3 *24,',33,(48&*3 9)@,,=8(? 4583 ;&(?,) 23 :&33 9 &):,;:,(' 8(' &(6 ;,?),,' 9);,)' &(;')?&(8>&< 48 (' M &(;' 8(' 9&14' 45,' =),3,(4 :&)15 9)2(;3A,)? &(;' 2)A (' 5&;'45,' A4&8(8(? 9 45,3,' (,1,33&)8,3 9)'843 =)8(18=&* &(;'4)2,' AH,14

5,') ?),33 3 2457&);' 9 4583 A&(;84 &):6 2(15,1@,;' A6'&(6 == 38(? 9)1,'[9)' B8 '&((8 ;,**,' &(;,' ,),'5&;' * 34 583 *89,'8(' &(' &44,:=4 4 '=),',(4 45,:'9) :'=&338(? 45,' ' &(;'&94,)'45,' ;,&45 9 45&4 ?),&4 1&=4&8('45,'&):6 9 45,'*,&?2,';8;' (4 :234,)' 1 2)&?,'4 '&44&1@)'8:=,;,' 45,'8('&;,)3 8(' &(6 7 &6M 98 ,;'45,'1848,3 ,O= 3,;'4 '45,8)' 8() &;' 7845 4,)))' &(;' ;83:&6 5,6 5&;' =&33,;' *8@,' &' ;,34) 68(? * 1234 37&):' ',)' * ?(&' &(;' :*&' &(;' 1) 338(? 45,' =,((8(,3 7 5815 3,=&)&4,' :A)8&9) :' 23< 1&(6 5&;' ;,31,(;,;'8(4 '45,' '&**,6 9 45,')(' (4 9&)' 9) :'),>> ' *),(1,' &(;' :,' A 45 4),:A*,;' (' 7 5815 7 2*;'45,'34):'A2)34 5&4 7&3 45,'&**.&A3)A8(? D2,348 (

=,' *,:,(4 7845 583 232&* &'&)81,.A*8(;,;'8:A,18*846 5&;'8:::,;8&4,*6 ('1 (1*2;8(? 45,'&A ',.:,(48 (,;'4),&46 7845 45,' ,&= *84&(''81,) 6 ;8315&)?,;' &** 583 4) =3 ,O< 1,=4 &'A ;6.?2&);' 9 &A 24 380 52(;),;' :,(' *),(1,' 7&3 (,&)*6 8(' &3 ;,9,(1,*,33 &' = 3848 (' 5,'5&;' 3&63 &)158 F47 ?),&4 &):8,3 (' 5,)' 4,))84)6M (,' 45&4 2(;,)' 2)A (' 75815 1&:,' &3 &(' ,(,:6 4 ' 3&1@ &(;' =*2(;,)'5,)'H &(;'45,' 45,)'45&4 9 45,'*,&?2,' 75815 1&:,' &3 &'9)8,(;' 4 '=) 4,14 5,)' A24 3&1@,;' &(;' =*2(;,),;' 5,)' ((,'45,'*,33 G: 4 7&3 5 7,',)' =) A&A*6 45,' =),3,(1,' 9 4583 &):6 '*844*,' &3 84 5&;' 5845,)4 ' ; (,'4 '8:=,;,'45,'=) .

?),33' 9'45,' ,(,:6'75815';,18;,;' 2)A (',',(42&**6'4 ' ;,4,):8(,' (':&)158(?'4 7&);3' :, #NJ

4'3,,:3' ; 2A492*' 5 7'9&)'45,6'7,),'8('3 ' ; 8(?' ,0,< 1248(?'45,');,)3')'1&))68(?' 24'45,'7835,3' 9'45,' :=,))' *,:,(4'45 2?5'5,'5&;' =*&6,;' 45,'4)&84)'4 ' 5&)*,3'&3' 5,';8;'4 ',',)6' (,',*3,'&(;'5&;' A,,(' &4'7&)'7845'58:'),1,(4*6'5&;'(7',(4,),:'8(4 '&'4),&46'7845'45,' :=,))P3' '81,) 6'J (;'&=&)4'9) :'4583'45,),'7&3'&';,?),,' 9' ;82:' &(;'31&(;&*'&44&158(?'4 '45,'38?54' 9'45,'F' 34' &45 *81'G' ,:=,))'3,(;8(?'&' 245,)&('&):6'8('583' =&6'4 '&44&1@'45,' 5,&;' 9'45,' 52)15' &(8')&'&?,'45,''(,),)&4,;'1&=84&*' 9' I 5)834,(; :' 75815'3 ';,1) 23' &'3 ',),8?(' &3' 5&)*,3' 7 2*;'5&);*6'5&','*8@,;'4 '8(12)' 4 *'84' :&6'A,'&332:,;' 45&4' 89'45,' :=,))'7835,;'583' &):6'@,=4'4 ?,45,)'&(;' =) '8;,;' ('92(;3' 9)'45,' =2)= 3,'5,'7&3' (4'2(78**8(?' 45&4'45,6'35 2*;'*8','A6'=*2(;,)' (;' =,)5&=3'583'),&* 8(4,(48 (' 7&3'4 ' ,O4)4'9) :' :,'45,' :,&(3' 9'=&68(?' 583'4) =3'A6'45,' :,),',058A848 (' 9'45,' ;&(?,)'&)838(?' 9) :'45,8)'=) =8(D2846'758*,'45,6'),:&8(,;'2(=&8;' = (' 45,'75 *,'7,'&),'7&))&(4,;'8('32== 38(?'45&4' 2)A ('&(;')2(;3A,)?'7 2*;'5&);*6'5&','',(42),;' ('45,'1 2)3,'45,6' 4 @'89'45,6'5&;'(4'5&;'),&3 (' 4 ' A,*8,','45&4'84'7 2*;' (4' :215';83=*,&3,'45,8)':&34,)' (;' 5&)*,3'7&3',O&14*6' 45&4'3)4' 9' :&(' 75 '7 2*;'*8@,'4 '5&','45,'=) 984' 9'&(' ,'8*';,,;'7845 24'45,'* 33' 9'),=24&48 (' &)838(?'9) :'45,' 1 : :8338 (' 9'84M' &(;' 75 '7 2*;'1 (38;,)'58:3,*9'A,34' 3,)',;'A6'&?,(43' 75 '1 2*;'1 : :84'&'=) 984&A*,'&4) 1846' 7845 24'A,8(?'?28*46' 9'45,'&((68(?'7&(4' 9'4&14' 9'7&84< 8(?'9)'583';8),14');,)3'4 '1 : :84'84

)'45,',3=,18&* A238(,33' 8('5&(;' 84' 7&3' 8:= 338A*,' :), ',)'4 '5&','5&;'47 ' :),'98448(?'&?,(43'45&(' 2)< A ('&(;')2(;3A,)?' 4'7&3' (4',',)6'@(8?54*6'?,(,)&* 8('45 3,';&63'75 '7 2*;'5C','&11,=4,;'45,'4&3@' ,',('7845' ;8),14');,)3' 9':&)158(?'4 '45,'3&1@' 9' :,'&(;'45,' =,(' ;,98&(1,' 9'843'3&1),;')2*,)' ' *),(48(,')'&' ,&=*84&(

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! !#N 3 *;8,)' :8?54' 5&',' 5&;' 3:&*' 31)2=*,'8(' ; 8(?' 3 M &(;'&' $:&('A&) (L &' * ((&')'&(')38(8L C((,'&4'&**')'8(' 45,'1&3,' '&' =,' :),'45&('8('&(6' 45,)'84' :&6'A,'3&8;' 45&4'F';834&(1,'*,(;3',(15&(4:,(4'4'45,''8,7G' (' &*' &?,3' 45,'),',),(1,'9)'45,'=&=&16'5&3'A,,('8('8(',)3,'=) =)48 (' 4 ' 45,' ;834&(1,' 9' 843' ;8318=*,3' 9) :' 45,'45) (,' 9' 45,8)' ?5 34*6'3 ',),8?(' ',(' &3' &4'45,'=),3,(4' ;&6'84'83'8(' 45&4' ;834&(4' 7,34,)(' 83*,' 75815' 45,' *;'48:,3' ;,,:,;'4 'A,'124' 99' 9) :'45,'),34' 9'45,'7)*;' A6'843'),: 4,(,33'45&4' 45,' &245)846'&(;'45,'=),348?,' 9' 45,' :&(' = (4899'&),' :),' 8(4&14' &(;' '8?) 23' 45&(' &: (?' &(6' *,33'),: 4,' 1 :< :2(846'M 3 '8('45,' 38O4,,(45'1,(42)6' 75,(' 45,' *=3' 7,),' 45,' ',8*' 75815'31),,(,;'45,'?)&(;. &:&.*8@,' '81,?,),(4' 9' ,&',('9) :'45,'4 '1* 3,',O&:8(&48 (' 9' 583' 7)358==,)3' 45,),' 7 2*;' 5&',' A,,(' 9 2(;' 9,7' :,(' 9' 3215' :&)@' &3' 2)A ('8(',845,)')&(1,')' =&8(' 78**8(?'4 '5&','2(;,)< 4&@,(' 45,' ,(4,)=)83,' 5,' 7&3' (7' ,(?&?,;' 8(' 24' 45,' 2(9)42(&4,' (34&A*,'7&3'&' ;83?)&1,;'&(;' ;,3=,)&4,' :&(' ,'7&3' ;83?)&1,;'8(' 45,'9&1,' 9' 2) =,'A6'45,'2(@(8?54*6' A),&15' 9' 583'9,&*46'4 ' 583' 3 ',),8?(' ;,3=84,' 45,' 8(4,(3846' 9'45,'=) ' 1&48 (' 75815'5&;' ;)8',(' 58:'4 '45&4'34,=')' & '45,' 3&(148 (3' 75815' 5,*;' 2) =,&(' 3 18,46'4 ?,45,)'8(' 45,'2(8',)3&*' A (;&?,' 75815'&* (,'45,('1 (34824,;'3 18&*');,)' 7,),'8(' *',;' 8(' :&8(4&8(8(?' 45,' 32=,)34848 (' 45&4' 3 ' A)&(;,;' 58:' (;' 5,' 7&3' ;,3=,)&4,' 8(' 583'9)42(,3' 9)'45 2?5'(' '(&:,'8(' &*' 2) =,'7&3'&4'45&4';&6'&3'?),&4' &' :8*84&)6'= 7,)'&4'45,'5,&;' 9'&5 34'&3'45&4' 9' 2)A (' &(;'45 2?5'45,' :83,)&A*,'A,&),)' 9'84'5&;'3 '35)4*6'A,9),' A,,(' (,' 9'45,'7,&*458,34'&(;'*&)?,34'4,))84)8&*' (A*,3' 9')&(1,'6,4'45,'?),&4' (34&A*,'5&;' (7'583'37);'9)'583' 9)42(,'&3'A&),*6'&3'45,')&7,34'*&;'8('45,')&AA*,.) 24'45&4' 9 ** 7,;'58: .3,(4' 24'9) :'3 :,'*&(;*,33'4 7,)' 9'&(' 8:= ',)835,;'@(8?54'8(' 5&*9.34&)',;' B&*818&')' = ',)46.' 34)81@,(' &'&)),'4 '1&)',' 583' 7&6'8(' 45,'7)*;' ',(' &: (?' 45 3,'75 3,')&(@3' 5,'5&;'H 8(,;' 2)A ('7&3'&

;83?)&1,;' &(;')28(,;' :&(' A,6 (;'),;,:=48 (' $ - !
A83' 7,**.@(7(' :8A4&)6 1&=&1846' 5&;',&38*6' 8(;21,;' 5&)*,3'
4 ' 7,*1 :,' &(;' :&@,' 23,' 9' 58: ' 5,' :234' 5&',' 9,*4' 45&4'
45,' 34,=' 5,' 5&;' 4&@,(' 8(' A),&@8(?' 583' &**,?8&(1,' &(;' &A&(<
; (8(?' 583' 1 2(4)6' 5&;'),(;,),;' 58:' &(' 241&34' &(;'
&*: 34' &'=&)8&5' 8(' 45,' ,348:&48 (' 9' 45,' 158'&*)6' 9' 2) =,'
5,' 9,,*8(?' 5,' 5&;' &7&@,(,;' &?&8(34' 58:' 45) 2?5 24'
5)834,(; :' 83' 34)8@8(?*6' 8**234)&4,;' A6' &(' &(,1; 4,'),<
1);,;' 9' 583'),1,=48 (' &4' &;88;' 0 5,(' 35)4*6' &94,)'
78((8(?' 45,' A&44*,' 9' &'8&' 2)A (' 7,(4' 45845,)'4 ' :,,4'
5&)*,3' &(;' 45,' &)D283' 9' 8**&(,' 7&3'),D2,34,;' 4 ' * ;?,'
45,' '814)8 23' ?,(,)&* 8(' 583' =&*&1,' 45,' 5&2?546' =&(8&);'
4 *;' 45,' :=,))' 45&4' 583' 5 23,' &(;' & ' 45&4' 5,'= 33,33,;'
7,),' &4' 583' 3 ',),8?(P3' ;83= 3848 (' A24' 45&4' 5,' 35 2*;'
&332),;*6' A2)('84'; 7(' &3' 3 (' &3' :PA (' '&3' 24' 9' 84'
38(1,' 5&'8(?' A,,(' 32**8,;' A6' 45,'=),3,(1,' 9' &'),(,?&;,' 84'
1 2*;'(' * (?,)' 5,' &' 98448(?'),38;,(1,'9)' &' :&(' 9' 5 (2) J'
' * 7' 5&;' 2)A ('9&**,('Q ',)6' :&(P3' 5&(;' 7&3' &?&8(34'
58: M &(;' 583' 5&(;' 7&3' &?&8(34',',)6' :&(' (;' 84' 83',&36' 4 '
1 (1,8',' 75&4' :234' 5&',' A,,(' 583' 4 (,' 9' :8(;' &(;' 9,,*8(?'
&3' 5,' *,;' (' 583' :248(23')[CA,).) 24' 4 ' :,' 758*,' :,('
9' &** =&)48,3' * @,;' (' 8(' =&(81.34)81@,(' 5)))' 523'
:PA (' *,;' 583' 2(=&8;' &(;' :248(23' 5);,3' 4 ' &' ;,,;'
75815' ((,' @(,7' A,44,)' 45&(' 5,' 7 2*;' 35 1@' &(;' 31&(<
;&*8>,' &**' 2) =,' &3' &' :&(' 75 ' 5&'8(?' 9&**,(' &*),&;6' 3 '
* 7' &3' 4 ' 5&',' * 34' &** 3,*9.),3=,14' 1&),3' (4' 8(' 583'),1@<
*,33' ;,3=&8)' 4 ' 75&4' ;,=453' 5,'=*2(?,3
3' 9)')2(;3A,)?' 5,' 7&3' &' :,8P,' 3 *;8,)' 9' 9)42(,'
75 3,' 7)*;' 7&3' 583' 1&:=' 75 3,' =8(8 (3' &(;' 9,,*8(?3'
5&;' A,,(' 9):,;' 8(' D284,' &(45,)' 315 * 9) :' 45 3,' 9' 583'
9,** 7' ?,(,)&*M 75 3,' 1 ;'Y 9' 5 (2)' &(;' 9' :)&*3' 7&3'
&(' ,(4:,*6' ;89*,),(4' (,' &(;' 75 3,' 1 (318,(1,' 7&3' (4'
(*6' =,)9,14*6' &4'),34'),3=,148(?' 45,' A238(,33' 5,' 7&3' A 2(;

+' <4=' 8.6:9,16' 4=' 1,29' 4.' 1<6' 536%8:6' 1,' 1<6' 6),43=' ,% ! *' 6228;' 4.'
1<6' =6+6.166.1<' +,2*)6',%1<6' ,226:14,.T 6141,1' 5'

! W Y ('A24'&==) ',;' 9'84'&3'&'? ;'&(;' :,)84)8 23'7)@'9)' 45,' &;'&(1,:,(4' 9'4)2,'),*8?8 (' ,'1&))8,;') 2(;'583' (,1@'&'5&*4,)' 9'?*;,('48332,'7,'&),'4 *; J'7845'75815'5,' * 2;*6'A &34,;'45&4'5,'7 2*;'5&(?'45,' =,'&3'3 ('&3'5,' ? 4'4 ' :,M &(;'5&;' 45,)3' 9'1)8:3 ('38*@'&4'5835'3&;;*,' A 7'75815'5,'3&8;'7,),';,348(,;'9)'45,'1&);8(&*3Q

'*&4,' *,:,(4'A,1&:,'&7&),' 9'45,'8:: 8(,(1,'&(;' :&?(842;,' 9'45,' ;&(?,)'45&4'45),&4,(,;'58:' &(;'45,' 1&=84&*' 9' 5)834,(; :' ,'A,3 2?54'45,' 81,) 6' 75 ' 5&;'),1,(4*6'38?(,;'&'4),&46'7845'58:' &3'5&3'A,,('3,,('4 ' ,0,)4'58:3,*9'&(;'23,'583'&245)846'4 ' &)),34'45,'3 2457&);' :&)15' 9' 2)A (P3'&):6' (;'84'83'),:&)@&A*,'45&4'4583'),=),3,(4&48',' 9'45,' :=,))'8('45,'? ',)(:,(4' 9' &=*,3' ;8;' &3'84'35 2*;'3,,:' ,(;,&' 2)',&)(,34*6'4 ' &',)4'45,' 1 :8(?'&'&*&(15,'9) :'45,' 4,)(&*' 846' 24' 758*,'45,' :=,))P3''81,) 6'23,;'&**'583'&245)846'&(;',(;,&' 2)3'4 ' &)),34'45,'&;'&(1,' 9'45,' :=,))P3'&):6'45,' :=,))P3' ?,(,)&*3'&;'&(1,;'&(;'3&1@,;' :,'8(';,3=84,' 9'58:' 0 5815' 9'45,:' : 34'),&**6'&14,;'&11);8(?'4 ' 45,'3,1),4' 7835,3' 9'45&4'=) 9 2(;' ;833,:A*,)'&(;' : 34'9&*3,'&(;' 1)&946': (&)15' 84'83'8:= 338A*,' 4 ' @(7' 4' :&6'5&',' A,,(' 45&4' 2)A (' 58:3,*9'5&;' (' = 7,)'4 ' 34&6'45,' =*2(;,)8(?'A&(;84.*8@,' :&)15' 9'583'52(?)6'&(;' 2(=&8;' 4) =3' (;'45,'9&143'),1);,;' 9'45,'34&4,' 9';8318=*8(,' 9'45,'&):6'&),' =,)9,14*6'1 (3834,(4'7845'3215'&'32=< = 3848 (

5,' 81,) 6'3,(4'&':,33,(?,)'4 ' 2)A ('7588*,'5,'7&3' 6,4'8(' * ?(&'8(9):8(?'58:' 9'45,'4),&46'38?(,;'7845' *,:,(4'&(;';,38)8(?'58:'45,),9),'4 ' 1 :,' (' 92)45,)' 3 2457&);' 2)A ('A,(4'&3H &)158'3&63' (';,1,8'8(?' A 45'45,' =,'&(;'45,' 81,) 6',=*8,;'45&4'89'45,' =,' 7 2*;'3,(;'58:'47 ' 52(;),;'45 23&(;'9*)8(3'9)' ;83< 4)8A248 ('4 ' 45,'&):6' 5,' 7 2*;' 34&6'583' :&)15' 24

758*,' 4583' &(37,)' 7&3' 1&))8,;' A&1@' 4 ' : ,' 45,' 42 : 2*< 42 23' 5 34' 1 (48(2,;' 843' 9,&)92**6' : ,(&18(?' &;'&(1,' &(;' 45,' &*&) :' 8(' : ,' 7&3')&=8;*6' ?) 78(?' 4 ' ;,3=,)&4,' 4,)))' 4' 45,' =,P3' ,&)(,34'),D2,34' 45,' 81,) 6' F 75 ' @(,7' 7,** G' 3&63' &8P158' F' 45&4' 83' *8(,33' 5&;' (4' &' 9&)458(?G' 58 : 3,*9' 4 @' = 34' &(;') ;,' 5&);' 9)' *),(1,' 7845' *,44,)3' 9) :' *, : ,(4' 5 =8(?'14 ' A4&8(' 45,' : (,6' 45,),

5,' ;,=&)42),' 9' 45,' 81,) 6'8(' =,)3 (' &(;' 45,' A),&45< *,33' 5&34,' 9' 583' H)8;' 4 ' *),(1,' 3=,&@' '8'8;*6' 9' 45,' :P?,(16' 9' 45,' 1&3,' &(;' 9' 45,' =&(835' 9981,)P3' =,)3 (&*' &(O8,46'),3=,148(?' 45,' ;),&;92*' 9&4,' 75815' 45),&4,(,;' : ,' 24' 45,' *),(48(,3' ;' (4' 3,,:' 4 ' 5&',' A,,(' ,D2&**6'8 : =),33,;' 7845' 45,' (,1,33846' 9' * 38(?' (' 48 : ,'8(' : &@8(?' &(' ,99)4' 4 ' &',)4' 45,' 1&*& : 846'9) :' &')8'&*' 1846' 4' 7&3' F'&94,)' : 215' 4&*@8(?'G' 7,' &),' 4 *;' 45&4' 45,6' &4' *&34' 1 (3,(4,;'4 ' &;'&(1,'&(' 52(;),;' &(;'98946'45 23&(;' 9*)8(3' ,8?546'45 23&(;' 8(' 1&35' ; 7(' &(;' 45,'),:&8(;,)' A6'45,' ,(;' 9' 14 A,)' 4' 7&3' (7' =)8*M &(;' :PA (' 5&;' A6' 4583' 48 : ,' 1) 33,;' 45,' =,((8(,' &(;' 7&3' 7845' 583' &) : 6' (' 45,'* 7,)' 7,34,)(' 3* =,3' 9' 45,' : 2(4&8(' (4' 9&)' 9) :' 45,' 1,*,A)&4,;' : (&34,)6' 9' &',)(8&' 5845,)' 45,' 81,) 6' 52))8,;' 7845' &** 3=,,;' &11 :=&(8,;' A6' (*6'47 ' 3,)'&(43' &(;' &' 4)2 : =,4,)M &(;' 5&'8(?' F 7845' : 215' ;899812*46 G' 3&63' &9158' 1 :,' 4 ' 3=,,15' 7845' 45,' ?,(,)&*' =) 99,),;' 58 :' 45,' ,8?546'45 23&(;' 9*)8(3' = (' 75815' 5,' 7&3' 3,4' 2= (' A6'45,' 42 : 2*42 23' 4) =3' &(;' F'(&)) 7*6' ,31&=,;' A,8(?' 4)(' 8(' =8,1,3' A6'45,: G' (' ,(;,&' 2)8(?'4 ' ?,4' &7&6'9) :' 45,: ' &(;' : &@,' 583' 7&6' A&1@' 4 ' *),(1,' 5,' 9,**8(4 '45,'5&(;3' 9' 1,)4&8(' =,&3&(43' (,&)' & : &*; *8' &(;' 7&3' 5,),' &?&8('8(' ;&(?,)' 9' 583' *89,' &(;' 7&3' 7 2(;,;' 8(' 45,' 5,&;' ,' 7&3' 5 7,',)'),312,;' A6' &' : (@' 9' &*.' * : A) 3&' &(;' A6' 58 :' 1 (;214,;' 4 ' 45,' (,8?5A 2)8(?' *844*,' 4 7(' 9' ==8' 8(' 45,' &3,(48(')' 2==,)' '&**,6' 9' 45,')(' 9) :' 75,(1,' 5,' : &;,' 583' 7&6' 4 ' 8,(&' &(;' 3 ' A&1@

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4 ' : , ' 7845' (' =*,&3&(4' 48;8(?3' 9' 75&4' :8?54' 5,' ,O=,14,;'9) :' : A ('&(;'583'A)8?&(;'&):6

5,' &** :A) 3&(' : (@' 75 '4523'A,34,;'45,' 81,) 6' &4' 583' (,,;'C7&3' &3' &)158'),91);3'),7&);,;' A6' 45,' A835 =)81' 9' 2) '8('45,'@8(?; :' 9' &=*,3' 75815'&;;3' 45,'5834)8&('F'5,'348**5 *;3G

5,'9&4,' 9' :,'7&3'(7'('* (?,)'; 2A492*' *,:,(4' 75 'A6'583'=,((6.783,'=&)38: (6'5&;'*,94'58:3,*9';,9,(1,< *,33' :&;,' &' 9,,A*,' &(;' 75 **6''&8(' &44,:=4' 4 ' =24' 45,' ' 8(' &' 34&4,' 9' ;,9,(1,' 5,' 1))2=4' &(;' 1 7&);*6' 1848>,(3'1 2*;'(4'5&',' == 3,;'&(6''&*8;'),3834&(1,'4 ' 45,')2998&('5);,3'75 '7,),'3* 7*6'A24'32),*6''*8@,'&('&;'&(18(?' 1 (9*&?)&48 (' 1 :8(?' 2= (' 45,:',',(' 89' 45,6'5&;' A,,(' 79**8(?'4 ' ; '45,8)'A,34' 24'45,'4),:A*8(?' =,P3' &==,&*' 4 '45,:'4 ' ;,9,(;'45,'7&**3'9,**' (' 45,' ,&)3' 9' &3' 3),*6' 4),:A*8(?':,(',&15'458(@8(?' (*6' 9' 45,' = 338A*,'15&(1,3' 9' 3&''8(?'583' 7('8(;8';2&*' =,)3 (' ,4' 84' 3,,:3' 1*,&)' 45&4' :,&(3' 9' ;,9,(1,' :8?54'5&',' A,,('9 2(;'5&;'(4'45,' =,' A,,(' 4523' =&)&*63,;' A6' 4,)))' *,:,(4' 5 7,',)' 7&3'&3' (,'9&318(&4,;' &)48(' ;2' ,**&6'4,**3'23'45&4'5,' 58:3,*9' 45,(' 8(' 4&*6'&3'&:A&33&;)' 9) :')&(183' ' 52))8,;'4 ' :,'&(;'7&)(,;'45,' =,' 9' 583';&(?,)'8(' &A2(;&(4'48:,'9)'58:'4 '5&',')=,=&),;'9)'45,')4,148 (' 9'45,'1846'A6'45,'4) =3'5,'5&;'&4'583';83= 3&*' 24' (' =,)32&38 ('&'&8*,;'4 '8(;21,' *,:,(4'4 '4&@,'&(6'34,=' 9)' 45&4'=2)= 3,J' ,845,)'7 2*;'5,'3,,@'3&9,46'A6'9*8?54' ( )' =,):84'583'2(9)42(&4,'32AH,143'4 ' ;'3 ' E 5(';,' &3&*,' ,()6' * P3' &:A&33&;)' &4' ,(81,' 7)84,3' 45,(1,'4 ' 0 *3,6' ('45,' !45' 9' &6 L 45,'9&4&*' 48;8(?3' 9'45,' 3&1@' 9'45,'1846'5&'8(?'H234'),&15,;' ,(81,'&3' 9 ** 73' F ,G L *,:,(4 L F),923,;'4 ' D284'45,'1846'9)'3 :,' 3&9,)'=*&1,' ,',',('9)A&;,'A6',;814'45&4'&(6' (,'35 2*;' 1&))6'&(6458(?' 24' 9'45,'?&4,3' (' =&8(' 9' ;,&45'45 2?5

Z' !*' , &6' *' ,4'' *'O'88'5' [

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: &(6' 7,)' &(O8 23' 4 ' ;,=&)4' &(;' 1&))6' 4*8,8)'19)42(,3' W Y"
,'3,75,),' C' I

,&(48 : ,' *),(1,' 9)' 5,)' 7 (' =) 4,8148 (' 5&;' 5&348*6' 8(;21,;')&(1,31 ' &)8&' 2@,' 9')A8(' 4 ' =*&1,' 58 : < 3,*9' &4' 45,' 5,&;' 9' 45,'),:&8(8(?' 9)1,3' 9' 45,' 4&*8&(' *,&?2,' &(;' A6' 4&@8(?' 2=' &' = 3848 (' &4' (183&' &' 3 : &*' 4 7 (' 8(' 45,' 2==,)' &*;&)(' &A 24' 47,(46' :8*,3' 9) :' 45,' 1846' (' 45,') &;' 4 '),>> ' 45,' 4)),(4' 7&3' 42)(,;' 99' 9) :' 45,' 1&=84&*' 9' 45,' : : (7,&*45') A&A*6' &3' 3 (' &3' 45,' 8('&;8(?' &):6' (1,' 9 2(;' 843,*9' 4 ' 45,' 3 245' 9' *),(1,' 45&4' 7,&*456' 1846' 7&3' 8(' (' 8 : : ,;8&4,' ;&(?,)' : ,' 7&3' : ,4&*' :),' &44)&148',' 4 ' 45,' 8('&;,)3' ,',('5&;' 45,),' (4' A,,(' &(' &):6' A,47,,('45,:' &(;' *),(1,

(;' (7' 84' A,1&:,' 9)8?5492**6' 1*,&)' 45&4' 45,' ; :' 9' 45,' 4,)(&*' 846' 7&3' &4' 5&(;' (' 1&:,' 45,' 34)&(?,*6' 5,4,) ?,(, 23') 24' 9'*&7*,33' 3 *;8,)6'*,&'8(?' A,58(;' 45,:' &' 4)&8*' 9' A2)(,;' &(;')28(,;' 1848,3' ;,'&34&4,;' 98,*;3' &(;' = =2*&48 (3' =*&?2,.34)81@,(' 9) :' 45,' 1 (4&:8(&48 (',(?,(<;,),;' A6' 45,' :2*4842;,' 9' 45,8)' 2(A2)8,;' ;,&;

'T (' 45,' '45' 9' &6' 2)A (' &))8',;' A,(,&45' 45,' 7&**3' 9' :,' 2)8(?' 45,' *&34' 9,7';&63' 45,' 2(5&==6' =,' 5&;' ,(;,&' 2),;' 4 ' &):' 75&4' :,('5,' 1 2*;' ?,4' 4 ?,45,)' 2(;,)' ,(> ' ;&' ,)8' &(;' (,' *)&4823 L (4' ;,3' 2(5&===8*6' L CA24 &?*8 (8' F' :,' 1 (4&8(,;' 78458(' 5,)' 7&**3 G 3&63' &(@,' F' 3 :,' 458)46' 45 23&(;' 8(5&A84&(43' 1&=&A*,' 9' A,&)8(?' &):3' &(6' 9' 45,3,' :,(' 5&;' 3,,(' 3,)'81, 5,6' 7),' 37);3' A6' 45,8)' 38;,3' 75815' 45,6' 5&;' 23,;' 9),,*6' 8(' 45,8)' A) 8*3' &: (?' ,&15' 45,)' &(;' 45,(' A &34,;' 9' 45,8)' ,O=* 843' 24' 4 ' == 3,' 45,',(,:6' 75 ' A) 2?54' 7845' 58:' 1,)4&8(' ;,34)2148 (' 98',' 52(;),;' :,(' 7,),' 45,' 24: 34' 45&4' 1 2*;' A,' :234,),;' 78458(' 45,' 1846' 4' 45,' 98)34' (3,4' 45,' =,' &(;' 583' 9)1,3' 7,),' ',)458P 7(G' (' 45,' ,',(8(?' 9' 45,' !'45' 9' &6' 45,' 1846' 7&3' 34):,;' &(;

Z' <6' 261163' 4=' ,' W '4.'1<6':,226:14,.',%#1816' 8563=',% 6.3;' O @=' 364>.' +,2' +4' 5' Y

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8 ' ?8',(' ',)' 4 ' 45,' 48(5)8;*,1" 12=8;89H)'&(;' A)24&*846' 9 45,' 3 *;8,)3' 75 ' ;2)8(?' :&(6'&' * (?' ;&6' 9'7&(4'&(;' 5&);< 358=' 5&;' A,,=' * 48(?' 9)7&);' 4 ' 45,' 5 2)' 45&4' 7&3' 4 '),=&6' 45,8(' & :=*6' 8)'&"* =&34' 3299,)8(?3' A6' 45,.A 2(;*,33' ?)&48981&48 (' 9' ,',)6' 3,983,' &(;' ,',)6P 1&=)81,' 9' *&7*,33' =&338 (' 2)A (' 58:3,*9' 5&;' 9&**,(' 8(' 45,' 98)34' : :^(43.' 9' 45,' &44&1@' &3' 5,' 7&3' *,&;8(?' 583' :,2' 4 ' 31&*,' 45,' 7&**3' H.' &(;' &(HCC3:&"*8(992,(1,' 45&4' 5,' :8?54' 5&',' `O,)4,;' 888' 8Z ;,)&48(?' 45,' ,O1,33,3' 9' 45,' 1 (D2,))3' 7&3' 4523' &4' & ' ,(;' ' f

4' ; ,3' (4' 9&"* H'8458(' 45,C31 =,' 9'.45,'=),3,(4' 7)@' 4 ' &44,:=4' &(6 ;,4&8*,;' &11 2(4' 9' 45,' ;&63' &(;' 31,(,3.4@&4' 9 ** 7,;' 5,6' 5&',' A,,(.;,31)8A,;' A6' :&(6' 7)84,)3'M &(;'45,.),&;,)' 75 ' A,&)3'8(' :8(;' 75&4.')(,.7&3 L.A,)' '8*,(,33' 5,)' 1 7&);81,' 5,)' 8:A,18*846' A,9'7,&*45M' 5,)' &)43' 5,)' :(2:,(43' 5,)')94,:)8,3' 5,)' 5,*=*,33' = =2*&48 (' 9'),*8?8 23' 1 : :2(848,3' 9' A H.5' 3,O,3' &=1C' 45,M 3&1),;' 15&)&14,)' 9' 5,)' 58?5' =*&1,3'&(;' 3=*,(; 2)3 C75815'3,)',;' 4 ' ?8',' &(' &;;848 (&"* >C34' 4 ' 45,' '8 *,(1,' 9' 4)8(=8=*8&(4' 5,),4813 L 5,' 45&4' A,&)3' 8(' :8(;' &"* 9@,3,' 458(?C :&6' '3&9,*6' ?8',' 45,'),8(' 4 ' 583' 8:&?8(&48 (' 7845 24'.&(6' 9,&)' 9' .C,8(5&)?8(?.' 45,' =8142),' P)2(;3A=)?' 5&;' A,,5'|6=(4' 4 ' A &34' 45&4' 89' ,',)C5,'),&15,;')(,' 5,' 7 2*;' 5&(?' 45,' =,' ,' (,',)' ;8;'),&15'84' 5&'8(?P A,,(' 1&))8,;' 99' A6' &' 984' 9' &= =*,O6' 758*,' 34)8'8(?' 4 ' D2,**M&J:248(6'&:;(?' 583' 4) =3' 35)4*6'&94,)' *,&'8(?' * ?(&' (' 583' 3 2457&);' :&)15' 24' 45,' 45),&4' 83' 3299818,(4*6' 8(;81&486,C' 9' 45,' 3=8)84' 45&4' &(8:&4,;' 583' &):6' 4 ' 35 7' 45&4' *,:,(4' 7,;' 583' =,)3 (&"* 3&9,46' (*6' 4 ' 45,' 34),(?45' 9' 45,' 1&34*,' =9' 4' (?,* ' 8(' 75815' 5,' 3 2?54'),92?,' f Y

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, (4), , 45, 3&8; 2@, 35 2*; A, 3*&6(, M &(; 45&4 45, =, 5&; 3&'6; 8 : 3, *9 7845 583 &); 6(&**3 8(' &34, ** (?, *RM 75815, 46; 8(?, 3 A61&23, 45, 6 7&), (4 7)844, (' 2(4 , (61, A24 H8= ('), *&48 (' 9 &' 3 2*; 8,) 45&4 1&: , 9) : : , 4 84,)A, &(; A61&23, 45,) 1&: 5845,) (: &(,) 9 1 (98) : &48 (' 45,) 9 2(4 4583 ; &6 45&6 7&) (4 A, . *, '6; 583 ; &6 45,) 83 1 : , *, 44,) 3 9) : , (61, 1 (. 96) : 8(? 45, 3&: , 46; 8(?, 3 4 A, 4)2, 5, 6 7)84, &*3 45&4 45, 6 5&', 3&1@6; &(; 3= 6*6; 45, 4 7(' &(; 3*&6(, 4 45, (: A), 9 - """ ((' =&)1, (4, 3 (, 1 , 4&48 (, 1 3, 028 (, 1); 8(8M &: (?34 45,) 45&4 45, 6 5&', : 2);)6; &' : &). ', 8** 23 3)4, 9 9)6&)3 &(; &?&6(34 =)834, 3 &(; 152)1583 45, 6 5&', A, 5&'6; 456 : 3, *9, 3 &3 84 ; 45 A, 1 : , 2).)&(63 &(; 245,)&(3 J 4 ; G

7 ; , , =*6 0 *3, 6 58 : 3, *9 7&3 : ', ; A6 45, ' (, 73 83 3, , (' A6 &' *, 44,) 9) : 58 : 4 , ()6 7)844, (' (' 45, # (; 9 E2(, 9 ** 78(? , 9)7&); 3 4 45, $8(? 45, *, 44,)3 F (7, &))6', ; &3 7, 24 9)&2(1, &3 24 9 4&*6 1 (98) : 8(? 45, =84, 23 &(; *& : , (4&A*, 3= 8*, 3 =8*< *&?, 3 7845 : 34 1)2, : 2);), 3 1 : : 844, ; A6 w5, : . =,)8&**3 8(' 45, 1848, 9 : , ((' =&)1, (4, 3 3&1)83 , 4&48 3, 028 &24), *8 (8M &(; 45, , 04), : , ; &2(?8,) 45&4 45, =, 3 *8(, 3 &(; &); 8(&**, 3 75 9*, ; 8(4 45, &34, * (?, * 7,) 8(' 89 A6 : , &(, 9 45, &): 6, 9 45, 5, ? H 45, 6 35 2*; (4 A, 35)4*6 3 1 2), ; &(;), *, ', ; 0 5815 38), 83 : &48,) 45&4 : 234 (, ; , 3 1 : : ', &(; 348), 45, 5&)4, 3 9 &* ? ; 15)834, (' =)8(1, 3 &(; =, =*, 4 5, *=, &(; =24 45, 8C 5&(; , 3 7845 , 9*, 14, 4 45,), 9) : &18 (' 45,) 9 &(; 45,); . =), 338(? 9 3215 48)&((23 J ; , : , (2) G

', (' 5&)*, 3 58 : 3, *9 &9*, 14, ; &4 *, &34 4 : 2)(' 45, 3211, 33 9 583 7(' &) : 6 75,), ; 8; 4583 4,))8A*, 4&*8&(' : 839)42(, ' 9&8* 4 &7&@, (' 36 : =&456 &(; 1 : =&338 (' 3&', 8(' &')8'&* 4&*8&(' 1846 *), (1, 5, &); 45, 48; 8(?3 F

4&4, &=,)3 , ()6 8** ' ' 8 8' =' ! 4 B #

3&63' &)1*88' 7845' 45,' 24 : 34' ; ,*8?54' 5,' 3& : ,' 5834)8&(' ! #N
,O=),33,3' 583' 7(' =8(8 (' 45&4' 45,' 3&1@' 9' : ,' 7&3' &4'
(1,' 45,' : 34' 1)2,*' &(;' 45,' : 34' : ,)84,;' 15&3483, : ,(4'
,',)' 8(9*814,;' A6' 5,&',(J' (;' &(45,)' *),(48(,' 7)84,)'
=8 23*6' &11 2(43' 9)' 45,' 9&8*2),' 9' &*' 45,' : ,&(3' &; =4,;' 4 '
&',)4' 45,' 1&*& : 846' A6' 32== 38(?' 45&4' 84' 7&3' B ;P3' ,4,)(&*
=2)= 3,' 45,(' &(;' 4523' 4 ' 15&3483,' 45,' 1)8 : ,3' 9' 45,' : &('
=),*&4,3' L &' 45,)6' 84' : &6' 112)' 4 ' 3 : ,' : 8(;3' 3 : ,<
75&4' ;& : &?,;' A6' 45,' 2(9)42(&4,' 9&14' 45&4' 45,' ?),&4,)'
=&)4' 9' 45,' : 83,)8,3' 3299,),;' 8(' 45 3,' &792*' ;&63' 7,),'
8(9*814,;' (' 45,' 2(5&==6' 9* 1@3' 9' 45 3,' =2)=*,' 35,=5,);3'
,',)45,*,33' 45,' 38O4,,(45.1,(42)6' 45,)6' (,,;3' A24' &'*844*,'
,(*&)?8(?' 4 ' A)8(?' 84' 2=' 4 ' 45,' *,',*),&15,;' A6' (8(,4,,(45.'
1,(42)6' =58* 3 =56' (;' 4583' 4 ' 83' &' =,)9,14*6' 5 : <
?,(, 23' =)48 (' 9' 45,' ;8'8(,' ? ',)(: ,(4ML 45,' &; : (8<
48 (' 1 ('',6,;' 45,),A6' 3 : ,75&4' 34,)(*6' &(;' =,), : =4)8*6'
&3' 83' 45,' 7 (4' &(;' 45,' (,,;' 9' 3215' ;8'8(,' : ,33&?,3'
A,8(?' 45&4' &*' 3215' = : P=*,' 35,=5,);3' F'),?,3 G' &1158&.'
',**8&(' F'=)8(18=8 G' &(;' 45,)' 3215' ;&(?,) 23' =5,(: ,(&'
&),' 45,' 9&2*46' =) ;214' 9' 45,' 3 18,48,3' 75815' 3299,)' 9) :'
&(;' A6' 45,' : ' &(;' 35 2*;' A,' *8@,' 45,)' : &*,981,(4' =56381&*
&(;' :)&*' &?,(18,3' 32==),33,;' &A *835,;' &(;' ? 4')8;' 9'
&3' 3 (' &3' : &6' A,Q

5,' (,73' 9' 45,' 4&@8(?' A6' &33&2*4' &(;' 3&1@' 9' : ,' ;8;'
(4'),&15' *),(1,' 48*' 45,' 45' 9' &6' 5&'8(?' 4523' 4&@,('
38O' ;&63' 4 ' 4)&',*' &' ;834&(1,' 9' *,33' 45&(' 47 ' 52(;),;'
:8*,3' 4' 83' (,' 9' 45,' ',)6')&),' 8(34&(1,3' ('),1);' 9'
48;8(?3' 9' ?),&4' 8(4,),34' &(;' =2A*81' (4)8,46' 4)&',**8(?'
:),' 3* 7*6' 45&(' 1 2*;' 5&',' A,,(',O=,14,;' 5,'),',)3,'
83' ?,(,)&**6' 45,' 1&3,' 4 ' &' ',)6',O4)&);8(&)6';,?),,' (;'
4583',O1,=48 (' 4 ' 45,' ?,(,)&*')2*,'),=),3,(43' 4 ' 23' =,)5&=3'
:),' '8'8;*6' 45&(' &(6' 45,)' 18)12 : 34&(1,' 45,' 244,)' ;,3 <
*&48 (' 75815' 5&;' A,,(' 1&23,;' A6' 45,' : &)15' 9' 2)A (P3

Z' O,2' 4' 5' W[U' 69' :41
%')) 4381,' 24E' DDD' K,.%' W

)' ' #

U [' # ' ' ' ' '

2, ! Y &) : 6' &(;' 45&4' 4 4&*' 12448(?' 99' 9' (,' ;834)814' 9) :' &(45,)' 56' 75815' &' 1 (48(2&48 (' 9' 7&)3' 7&3'),;218(?' 45,' 1 2(4)6' 4 ' &' 34&4,' 9' A&)A&)83 : ' &3')&=8;*6' &3' 8(1),&3,;' 9&18*846' 9' 8(4,)1 : : 2(81&48 (' 9)1,3' 9)7&);' 18'8*8>&48 (' (' 45,' 45' 9' &6H8(;,,; P84' 5&;'A,,(')2: 2),;' '&?2,*6' 8(' *),(1,' 45&4' . :,' 5&;'A,,(' 3211,3392**6' &44&1@,;' 56' 45,' 8 : =,)8&*' 9)1,3' 4' 83' = 338A*,' 45&4' 45,' ? ',)(: ,(4' 5&;' 32),)' 8(9) : &48 (' &(;' 8(');,)' 4 ' ?&8(' &' *844*,' 48 : , ' &'&8*,;' 45, : 3,*',3' 9' 45,' 9&14' 45&4' 2)A (' 5&;' 9&**,(' 4 ' 1&23,' 84' 4 ' A,' A,*8,',;' 9)' &' 35)4' 48 : ,' 45&4' 583' &) : 6' 5&;' A,,(') 24,;' &(;' :,' 3&',;' 4' 7&3' 8 : = 338A*,' 5 7< ,',)' 4 ' @,,=' 45,' 9&4&*' 48;8(?3' 1 (1,&*,;' 9)' : &(6';&63' 5,'),&*' 4)245' 7&3' 3 (' ?,(,)&**6' @(7 : M &(;' 45,(')8),(1,'1*&==,;'5,)'5&(;3' 9)'H 6

(;' 84' 7&3' A24' &' 9,7' : (453' A,9),' 45&4' 4&*6' 5&;'A,,(' =) = 38(?' 4 ' 5,)3,*9' 4 ' : &)15' 7845' 2(84,;' 9)1,3' 35 2*;,)' 4 ' 35 2*;,)' &?&8(34' 45,' J' A&)A&)8&(3 G' &(;';)8',' 45, : ' 24' 9' 45,' =,(8(32*&Q

' 45&4' 7,' 5&',' 3 ' 1 (34&(4*6' 5,&);' &A 24' 45,' : 2(8< 18=&*')8'&*)8,3' &(;',(: 848,3' 45&4' 1&23,;' 4&*8&(' : ,;8&,'&*' =&4)8 483 : ' 4 ' A,' ,',)' A 2(;,;' A6' 1846' 7&3' 83' 5&);*6' ,(2?5' 4 ' =),=&),' 23' 9)' 5,&)8(?' 45&4' 45,' (,73' 9' 45,' 4),:,(; 23' 1&*&: 846' 75815',0184,;' 45,' 5)))' &(;' =846' 9' &**' 2) =,' 7&3' F' : 34' ?)&4,92*' 4 ' 45,' *A),(48(,3 G' 24' 84' 83' 45,' *),(48(,' 5834)8&(' &)158' 75 ' &332),3' 23' 45&4' 84' 7&3' 3 ' 5,' 4)245' 7&3' 5 7,',)' 45&4' 84' 7&3' (4' 5&4),;' 9' :,' 3 ' : 215' &3' 5&4),;' 9' :,P3' 3 ',),8?(L C45,8)' 7(' =,' B82*8 ';,P ,;818 L 75815' :&;,' 45,' *),(48(,3'),H 81,' 8(' 45,' : 839)42(,' 45&4' 5&;' ',)75,*:,;' 58:' &(;' 583' :&(' 32AH,143' :,P3' : 839)42(,' 7&3' 45,' 231&(' 1846P3' ==)42(846' *,:,(4' 7&3' &=)83 (,)' 8(' 45,' 1&34*,' 9' 4' (?,* M &(;' (7')' (,',)' 7&3' 45,' 48 : ,' 9)' *),(1,' (1,'&?&8(' 4 ' 9),,' 5,)3,*9') :' 45,' 8(12A23' 9' 45,' ,;818 *),&;6' A,9)' 45,' (,73' &))8',;' 45,' 1846' 2(;,)' 45,' 7,&@' 6,4' '8 *,(4' ? ',)(:,(4' 9' 45,' &);8(&*' 9')4 (&

5&;' A,,(' :&(89,348(?' 36 : =4 :3' ',)6' ;83D28,48(?' 4 ' 843' : &34,)3' (;'&('8(18;,(4' 75815'5&==,(,;' ('45,'#!45' 9' =)8*' 8(' 45&4' :,:)&A*,' 6,&)' #N' (*6'4,(';&63'A,9),' 45,'1&=42),' 9' :,' :8?54'5&',' 3,)',;'&3'&'=8* 4' A&** (' 4 ' 35 7'45,';8),148 (' 75815'45,' 34):' 9'45,' ?),&4',',(43' 3 ' 3 (' 4 ' 9 ** 7' 7 2*;'4&@,' 5,' &);8(&* &33,)8(8'&(;' 45,'*,&;8(?'&;5,),(43' 9'45,',O8348(?'? ',)(:,(4'5&;'? (,' 24' 9'45,'1846'4 ' :,,4'45,' 2@,' 9')A8(' 9)' 45,' =2)< = 3,' 9'1 (1,)48(?' :,&32),3' 9)' 45,' ;,9,(1,' 9' *),(1,' 9) :' 2)A (P3' &):6'45,(' 8(' 45,' '818(846' 5,' ==)< 42(846'7&3'4 ' 4,:=48(?'4 ' A,'),3834,;M &(;'45,'),=2A51&(' =&)46';,4,):8(,;' (' &44,:=48(?'&' 15&(?,' 9'45,' ? ',)(< :,(4'A6'&' ' ' ' " # 5,6'3,8>,;'45,'0" "))' 0' ;' ' 3 2(;,;'45,'4 138('M 1)8,;'F0 ' ' ' 'G' &(;' 98**,;'45,' "))"'7845'&):,;':,(' &**' &11);8(?'4 '45,' *;' =*&(' A6'75815'3 ' :&(6'&'),' *248 (' 5&;' A,,(',98,14,;'8(' 45,' *;' 48:,3' 5,),' 7,),' 5 7,',)' *&)?,' A ;8,3' 9' 9),8?(' 4) =3' (,&)'&4'5&(;'&(;'45,' &);8(&*),42)(,;'&4' (1,'8(4 ' 45,'1846'7845'& 3299818,(4' 9)1,'4 ' :&@,'&(6' &44,:=4'&4'),3834&(1,'5 =,*,33' ,',)45,*,33'45,'=&)483&(3' 9'45,' ,;818'9,*4'45&4'4583'7&3'(4'45,':,(4'9)''8 *,(1,')' ',(?,&(1,' 5,'),=2A*81&(3' 75 ' 7,),' 8(' = 33,338 (' 9' 45,' =&*&1,' 7,),' =,)32&;,;' =)8(18=&**6' A6')&(1,31 ' B28118&);8(8'&(;'A6' &)1 ' 31&)8'45,' ,(,48&(' &:A&3< 3&;)' 4 '),48),' D28,4*6' (' 1 (;848 (' 45&4'&**' 35 2*;' A,' 9)? 44,(' (' A 45' 38;,3' (;'4523' 9)' 45,' : :,(4');,)' 7&3'),34),;ML 3215');,)' &3' 7&3' = 338A*,'8(' 3215' &' 34&4,' 9' 458(?3')' 45,' =8142),';)&7(' 8(' &' 9,7' 7);3'A6' &)158' 9'45,'&3=,14' 9'45,'1846'8(' 45 3,';&63'83' 34)8@8(?*6' 32??,348',' 9' 45,' ,O=* 38',' 1 (;848 (' 9' 45,' 3 18&*' &4: 3=5,),

F' *),(1,G'3&63'5,'F'),:&8(,;'45,'=),6'&(;'45,'31)(' 9'45 3,' 3 *;8,)3' 75 3,';246'84' 7&3'4 ' =) 4,14' 84' 4' 83' 8:= 338A*,'9)'&(6' (,'5 7,',)'*8',*6'583'8:&?8(&48 (' :&6' A,'4 '=814:.,'4 '58:3,*9'45,'8: :,&32)&A*,'?* :'&(;'3&;..

- ' * $)' ' ' 0 % ' '

W # Y (,33' 45&4' 7,8?5,;' A 45' (' 45,' 1846'&(;' (' 45,' 1 2(4)6' &) 2(;'84' 5,'*&44,)'5&;'A,,('=*2(;,),;'&(;'*&8;'7&34,' (4'*,33'A6'45 3,'75 '=) 9,33,;'4 'A,' 2)'9)8,(;3'45&('A6' 2)',(,:8,3' (' 45,' 1846' :),' :8*84&)6'H,)@8(3'45&(' 1848>,(P3' 1* &@3' 7,),J'4 'A,'3,,('M 45,),' 7,),' :),'&):3' 45&(' : ,('M &(;'84'3,,:,;'&3'89'45 3,'75 '=&33,;'8(' 45,' 34),,43' ;&),;' (4'*894'2='45,8)',6,3'=&)4*6'8('35&:,'&(;' =&)4*6'8(' 9,&)'&(;'9) :'244,)';834)234' (4' (*6' 9',',)6' 45,)':&('A24',',(' 9'45,:3,*',3' 5,';)2:3'7,),'1 (< 48(2&**6':&@8(?'45,8)') 2(;3'M 45,),'7&3'('5 2)' 9';&6')' (8?54' 7845 24' 42)(8(?' 24' 9' 45,' ?2&);3')' =&4) *3' 9' 3 *;8,)3' 4',',)6' 3*8?54,34'&*&):' 89'84' 7,),' A24'45,' 9&**8(?' 9'&'=8@,' (' 45,'=&',:,(4')'89' :),'45&(' 45),,' :,(' 34 ;' 4 ?,45,)')'89'47 ' 4&*@,;' 4 ?,45,)' &4'& ' ,&)(,34*6 '45,'3 *;8,)3')&(' 4 '45,'3= 4'4 '7&)(' &(;'45),&4,(' 45,:' 5,(' 8(' &' : :,(4'&'42:2*4'7 2*;'&)83,'&(;'45,' 35 =3' 7 2*;'A,'1* 3,;'8(' &**' 5&34,'&(;'45,'1848>,(3' 7 2*;')2(' &3' 89' 8(' 4,)))' &(;' 3524' 45,:3,*',3' 8(4 ' 45,8)' 5 23,3 GJ

215' 7&3'45,' 34&4,' 9' *),(1,' 75,('45,'1848>,(3'5,&);' 45&4'45,8)'46)&(4'7&3'&'=)83 (,)'8(' 583' 7('1&34*,' 9' 4' (?,* ' 4' 7J&3' &5P,&;6'@(7('8(' *),(1,'45&4' 8*8== ' 4) >>8 5&;'&))8',;'8(' 83& 9'&(;'45,',6,3' 9'&**' =&)48,3'8(' 45,'1846'8('45,'32)?8(?'42:2*4'&(;'1 (9238 ('45&4'8:< :,;8&4,*6'&) 3,'42)(,;'4 7&);3'58:' &3' 5&'8(?' :),' = 7,)'45&(' &(6' 45,)' :&(' 4 '),34),' 4)&(D28**846' A6' &332)8(?' 45,' &31,(;&(16' 9' (,')' 45,' 45,)' =&)46' ,33,(?,)3' 7,),' ;83=&415,;' 4 ' 58:' 8(' &**' 5&34,' A 45' A6' 45,' &);8(&*' 9')4 (&' 75 ' 1 2(4,;' (' 58:' &3' &(' &332),;'32==)4,)' 9'45,' ,;818'&(;'A6' 811 *U' &== (8' 75 ' 7&3'583'A) 45,).8(.*&7 ' 5&'8(?' :&))8,;'583'3834,)'&(;

Z' O83:<4'#1,3' 4,3 O,2'4'5'W['69',41
1' 6'<89'=*::66969'4.'6=:854.>'G41<'<4='G4%6' 2834:6'%3,)' ,)6',.'1<6' 6+6',%'1<6'8118:H' E;' ,*3E,.@='83);'96=5416'1<6'=134:1',3963='%'1<6' ,56' 1<81'.,',.6'=<,*29'E6'563)41169'1,'268+6'1<6':41;

75 '&3*,&;,)' 9'45&4'=&)4' 9'45,'&)834 1)&16'75815'7835,;' 4')34),' &' :,&32),' 9'1 (3484248 (&**8A,)46'4' *),(1,' 7845 24'1 (1,;8(?' &**'45,' ;,:&(;3' 9'45,')&;81&*'=&)46'4)234,;'45&4' 4) >>8' 7 2*;'H 8('45,:'8('45) 78(?' 99'45,'6 @,' 9'45&4'9&:8*6

,',)' 5&;' 4) >>8' ?),&4,)' (,,;' 4' ,O,)183,'583':215'&2(4,;'=)2;,(1,'45&('8(';,&*8(?'7845'45,3,')8'&*'&==*81&<48 (3'9) :'583'9,** 7.1848>,(3' 5,'1 (H2(142),'7&3'2(<;,(8&A*6'&';899812*4' (,' 5,' =,L C45,' (*6' ,;818' 9'45,',*;,)'A)&(15'3&','47 '*&;3'&(;'45,'*844*,'?8)*' &45,)8(,'L 7&3'45,'=)83 (,)' 9'*&7*,33'3 *;8,)3'8(' 4' (?,* ' ,'7&3 &4' ;,&;*6'9,2;'7845'45,' :=,))' 5,'9)42(,3' 9'45&4' : (&)15'7,),'34) (?*6'8('45,'&31,(;&(4' ',)'45 3,' 9')&(183' ' *),(1,' * (?' 5,&'8(?' 7845'8**.32==),33,;'&(?,)'&(;'),A,**8 (' 7&3'),&;6'9)'&(6': ',' 5 7,',)''8 *,(4'8(' &' = =2*&)'&(;' ;,: 1)&481';8),148 (' ';&(<?,) 23' == 3848 (' 7&3'4 ' A,'9,&),;' (' 45,' (,'5&(;'9) :'45,'9,,A*,'&(;'9)8?54,(,;' &);8(&*' 9')4 (&'&(;' (' 45,'45,)' (' ,99818,(4' &33834&(1,'4 ' A,' 5 =,;'9)'9) :'58:'458(?'7 2*;'5&','A,,(' ,&38,)'&4'45,' : :,(4'45&(' 9)'4) >>8'4 ' 5&','=*&1,;'58:3,*9'&4'45,'5,&;' 9'&' = =2*&)': ',:,(4' 75815' 7 2*;' &332),;*6' 9)' 45,' 758*,' 5&','1&))8,;'&**'A,9),'84' (;':&(6':,(' :8?54'5&','; ,:,;'84'45,'3&9,34'&3'7,**'&3'45,' ,&38,34'&(;'45,' : 34'4,:=48(?'1 2)3,'4 '4&@,

24' 8*8== ' 4) >>8'5&;'*844*,'4)234'8('45,'1 (34&(16' 9'*),(48(,' = =2*&)'3,(48:,(4'&(;':215'8('45,'1 (34&(16' 9' ,;81,&(' &:A848 (' ,'1 2(4,;':215' (' 45,''84&*846'9'45,' &=&*'= 7,)'&(;'*844*,' (' &(6'D2&)),*'A,47,,(' =,'&(;' :=,))' 4 ' 45,'=) 984' 9' = =2*&)'9),,; : ')'5,'@(,7'45&4' 84'83'8('45,'(&42),' 9' = =,3'&(;',:=,))3'4 'A,'9)8,(;3'75,(',845,)' 9'45,':'83'8('1 (4,34'7845'45,'=, =*,'&(;'1*,&)*6'2(;,)34 ;'45&4'45&4':&(6.5,&;,;': (34,)'7&3'45,'),&*' (,',).15&(?8(?'9 ,'&?&8(34'75 :'A 45'= =,'&(;',:=,))' :234'7&?,'&('2(8(4,):8448(?'7&)',D2&**6'(,1,3.

UU ' # ' ' ' ' '

I :' 3&)6' 4 ' A 4*8' 9' 45, : ' (' &' 7) ;' 8*8== ' 4) >>8' 1 2*;' 4,**' 9' =8),' 45&(' (,' ,;81,&('),34)&48 (' &(;' 7&3' D284,' &7&),' 9' 45,' ?),&4' =) A&A8*846' 45&4' 5,' : 8?54' *8',' 4 ' 3,,' &(45,)

('45,' 45,)' 5&(;M' 84' : 8?54' 7,**' A,' D2,348 (,;' 75,45,)' 84' 7 2*;' A,' =)2;,(4')' ,',(' 3&9,' 9)' 4) >>8' 4 ' ,(4,)' *),(1,' 8(' 843' =),3,(4' 52 : 2)' &3' &(' &' 7,;' 32==)4,)' 9' 45,' ,;818' ,38;,3' 5, @(,7'45, : ' 45,3,' ,;818' &(;' ,3=,18&**6' *, : ,(4' 7,**' ,(2?5' 4 ' A,' D284,' 32),' 45&4' (' 1 : =,(3&48(?' ?)&4842;,' 7&3' 4 ' A,' * @,;' 9)' 9) :' 45, : ' 75,(,',)' 45,' 42)('8('45,' 48;,' 9' 45,8)' 9)42(,3' 35 2*;' 4&@,' =*&1,' 89' 5,' 7,),' 4 ' ;,18;,' ('=*&68(?' 45,' 7&848(?' ?& : ,' 9)' 45,8)' 1),34)&48 (' ?&8(' 45,),' 7&3' &(45,)' ;899812*46' 8(' 45,' 7&6' 9' &; =48(?' ,845,)' 9' 45,3,' 1 2)3,3' 9)&(@*6' &(;' ;,18;,;*6' 5,' ?),&4' &(48. ,;81,&(' (A*,3' 75 ' : &6' A,' 1 : =&),;' 4 ' 2)' ?),&4' 758?' 9& : 8*8,3' 7,),' &(O8 23' 4 ' ?,4')8;' 9' 45&4' ?),&4' ',)35&; 78(?' =&3.4),,' 9' &' 9& : 8*6' A24' 7,),' A6' (' : ,&(3' &(O8 23' 4 ' 9&' 2)' 3215' &')&;81&**),' .' *248 88' &3' 35 2*;' 45) 7' = *8481&** = 7,)' 8(4 ' 45,' 5&(;3' 9' T45,' =, =*,' 583' =&)46' 75 ' 7,),' 1&**,;' 45,' F' 448 : &48 G' L C45,')834 1)&16' 45&4' 83' [:,),*6' 42)(8(?' &48('8(4 ')B),,@] L C7835,;' 8(' 9&14' 4 ' ,34&A*835' &(' *8?&)156' : 215' ('45,' : ;,*' 9' 45&4' 9' ,(81,' (;' 4) >>8' A6' A8)45' A6' *;' 9& : 8*6' 1 ((,148 (' &(;' A6' = 3848 (' 8(' 45,' 1846 I (&42)&**6' A,* (?,;' 4 ' 4583' =&8P46' 24' 45,3,' D " ' 7,),' ,O= 3,;' 4 ' &' 47 9 *;';&(?,) L (,'8: : ,;8&4,' 9) :' = =2*&)' '8 *,(1,' &(;' (,' =) 3=,148',' 9) :' ,;81,&(' ',(?,&(1,' 5,' ;,4,) : 8(&48 (' 2*48 : &4,*6' &))8',;' &4' 8(' 45,3,' =,)< =*,O848,3' A6' 4) >>8' 7&3' &' 15&)&14,)83481' (,' (34,&;' 9' ',(4 : 8(?' 9)7&);' 8(4 ' 45,' ;8342)A,;' 1846' 58 : 3,*9' 5,' ;,4,)< : 8(,;' 4 ' 3,(;' 583' 789,' 45,' 5&2?546' &(;' 58?5.3=8)84,;' *&)81,' 75 ' ,;818' &3' 35,' 7&3' 5&4,;' *, : ,(4' 9)' 583' 4),&15,)6' 4 ' 5,)' 523A&(;' 7845' &('2(9)?8'8(?' 5&4),;' &(;' 7&3'),&;6' 4 ' ? ' &**' *,(?453' &(;')2(' &**')83@3' 9)' 45,' 3&@,' 9' =2(8358(?' 58 : ' 5,' 9,&)*,33' *&;6' &11);8(?*6' *,&'8(?

5,)‘ =)2;,(4‘ 523A&(;‘ 3&9,‘ 8(‘ 58;8(?‘ 8(‘ 83&‘ &(;‘ 2(;,)< !
4&@8(?‘ 4 ‘ 3,(;‘9)‘ 58:‘ 75,(‘35,‘ 35 2*;‘ 5&‘,‘ 3299818,(4*6‘ D
3 2(;,;‘ 45,‘ ?) 2(;‘ &(;‘ =),=&),;‘ 45,‘ 7&6‘ 9)‘ 58:‘
;,=&)4,;‘ (‘5,)‘ :8338 (
,)‘98)34‘ 1&),‘ 7&3‘ 4 ‘ 3,,@‘ &‘ =)8'&4,‘ 8(4,)'8,7‘ (‘45,‘
,',(8(?‘ 9‘5,)‘&))8'&*‘ 7845‘ 811 *U‘ &== (8‘45,‘=)8(18=&*
*,&;,)‘ 9‘45,‘ D " ‘)‘ =&4)818&(‘ *8?&)1581&*‘ =&)46‘
:,‘ 45,)3‘ 9‘45,‘ *,&;8(?‘ :,:A,)3‘ 9‘45,‘ =&8 46‘ 7,),‘
&;:844,;‘ 4 ‘ 4583‘ 3,18 ,4‘ 38448(?‘8(‘ 75815‘ *&)81,‘9&)‘ :),‘
'8 *,(4*6‘&(;‘9)&(@*6‘45&(‘ 5,)‘ 523A&(;‘ 7 2*;‘ 8(‘ &**‘ =) <
A&A8*846‘5&',‘&==) ',;‘,05)4,;‘45,:‘4 ‘ ? ‘&**‘ *,(?453‘8(‘
,O=,**8(?‘45,‘ ,;818‘&(;‘ =) :83,;‘5,)‘ 7(‘&(;‘5,)‘523<
A&(;P3‘,(48),‘&;5,38 (‘&(;‘1 . =,)&48 (‘ 811 *U‘ &== (8‘
5&;‘A,,(‘9)‘3 :,‘ 48:,‘ =&34‘3,1),4*6‘,O1848(?‘45,‘=, =*,‘
&(;‘ =),=&)8(?‘45,:‘9)‘&(‘ 24A),&@‘ 24‘45,‘?&:,‘5,‘
&(;‘583‘=,,)3‘45,‘ 45,)‘&(48. ,;81,&(‘(A*,3‘5&;‘4 ‘=*&6‘
7&3‘ &‘ ;,*81&4,‘ (,‘&(;‘),D28),;‘ ',)6‘1&248 23‘5&(;*8(?‘
5,‘ ,;818‘1 2*;‘(4‘A,‘42)(,;‘ 24‘7845 24‘45,‘&8;‘ 9‘45,‘
= =2*&)‘,*,:,(4‘ 4‘7&3‘(,1,33&)6‘4 ‘ :&@,‘1 : : (‘1&23,‘
7845‘45,‘= =2*&1,‘&(;‘&; =4‘45,8)‘4 (,‘&(;‘45,8)‘7&415<
7);3‘ 24‘45,‘ AH,143‘ 9‘45,3,‘?),&4‘ *),(48(,‘7 58?3‘
&(;‘45 3,‘ 9‘45,‘=, =*,‘ 7,),‘8(‘ 9&14‘ 75 **6‘ ;899`),(4‘
F 8A,)46G‘ 7&3‘45,‘1)6‘4 ‘&‘1,)4&8(‘ ,O4,(4‘38(1,),‘ 9‘
A 45‘45,‘:&*1 (4,(4‘3,148 (3‘ 9‘45,‘=, =*,‘M 9)‘A 45‘7,),‘
,D2&**6‘;,=)8',;‘ 9‘84‘A6‘45,‘ ,;818‘ 24‘45,‘=&4)818&(3‘
7&(4,;‘84‘ (*6‘9)‘45,:3,*',3‘;‘75d,‘45,‘=, =*,‘ :),‘
8?( )&(4‘,',(‘45&(‘45,‘(A*,3‘ 9‘45,‘),&* (&42),‘&(;‘
:,&(8(?‘ 9‘18'8** 5A,)46‘7&(4,;‘4 ‘35&),‘7845‘45,:‘45,‘
= 7,)‘&(;‘=)8'8*,?,3‘8(‘75815‘45,6‘;,,:,;‘84‘4 ‘1 (3834‘
4‘7&3‘45,‘ *;‘ *;‘34)6‘Ć 5,‘=) A*,:‘7&3‘4 ‘23,‘45,‘
A)24,‘= 7,)‘ 9‘45,‘:&33,3‘&3‘&‘1&4P3.=&7‘9)‘;)&78(?‘45,‘
15,3(243‘ 9‘= 7,)‘=*&1,‘&(;‘=) 984‘ 24‘ 9‘45,‘ ,;81,&(‘
98),‘ 24‘45`‘1&4‘7&3‘8(‘4583‘1&3,‘&‘48?,)‘7845‘75 3,‘
=&73‘84‘7&31 (38;,)&A*6‘;&(?,) 23‘4 ‘4)89*,‘,3=,18&**6‘&3‘
45,‘ *),(48(,‘=2A*81‘7&3‘D284,‘3299818,(4*6‘',)3,;‘8(‘45,

! : 634,)8,3' 9' = *8481&*' *89,' 4 ' A,' 92**6' &7&@,' 4 ' 45,' ;&(?,)'
W Y 9' A,8(?' 4)81@,;' &(;' '8?8*&(4*6' 323=818 23' 9' 45,' 35?54,34'
36 : =4 :' 9' 4),&3 ('4 ' 45,'= =2*&)' 1&23,
5,' A)24,' 9)1,' 9' 45,' :&33,3' 5 7,',)' =*&6,;' ('4583'
11&38 (' &' *,33' 8 : =)4&(4' =&)4' 45&(' 83' 232&**6' 45,' 1&3,'
8(' 38 : 8*&)' 18)12 : 34&(1,3')' 45,' 1 (4,: =)&)6' 5834)8&(3'
&?),,'8(' 45,' =8(8 (' 45&4' 45,' &);8(&*' 9')4 (&' 5&;' D284,'
3299818,(4' : 8*84&)6' 9)1,' 7845 8(' 45,' 1846' 4 ' 5&','D2,**,;' &*'
),' *4' A6' 45,' 34) (?' 5&(;' 89' 5,' 5&;'= 33,33,;' 45,' 1 2)&?,'
&(;' 45,' =) : =4842;,' 4 ' 23,' 84 J' 215' 45,),9),' ;,<
=,(;,;' (' 1 78(?' &(;' 9)8?54,(8(?' 4583' :&(' 75 ' 7&3'
&11);8(?' 4 ' &*' 7)84,)3' 244,)*6' 8(,99818,(4' &(;' 8(1&=&A*,'
,' 5&;' &*),&;6' 1 : : 844,;' &' 3,)8 23' ,)))' 8(' =,) : 8448(?' 45,'
B),&4' 2(18*' 9' 1848>,(3' 4 ' &33,: A*,' 8(' 45,' ?)&(;' 5&*' 9'
45,'0" ")) '0' # 5,8)'4 (,'&4' (1,'A,1&:,' : 8(23*6'
:,(&18(?' (;' 75,('45,' &);8(&*' &*&) :,;' A6' 84' 7 2*;'
5&',' :&;,' 3 :,' 9,,A*,' &44,: =4' &4' == 38(?' 4 ' 45,8)'
?) 78(?' '8 *,(1,'&' : 8*84&)6' 9)1,' 5,' 9 2(;' 45&4' 45,' 4) =3'
&A3 *24,*6'),923,;' 4 ' &14' 7845 4'),1,8'8(?' 45,8)' &)),&)3' 9'
=&6' 8('),&;6' 1&35' 5,' &);8(&*' 3,(4' 9)' 45,' 1846' 4),&<
32),)' 75 ' 7&3' 8(' 9&14' &' :,),' ;,=246' 9' 8*8== ' 4) >>8'
)' 45,' ?),&4' 1&=84&*834' &(;' * &(' 1 (4)&14)' 5,*;' 45&4'
9981,'8(' *),(1,' &3' 7,**' &3' 8(' :,' 583' ;,=246' 5&;'
A6'=)8'&4,');,)' 9) :' 4) >>8' ;,= 384,;' 45,' =2A*81' 15,34'
7845'843'1 (4,(43'8('45,'5 23,' 9'),(> ' 4) >>8' 8*8== P3'
0 " ' A) 45,)'M 75,),2= (' 45,' 1&358,)' 4 *;' 45,'
&);8(&*' 45&4' 5,' 5&;' (' : (,6'8(' 5&(;' 5,' &);8(&*'
? ',)( )' :&8(4&8(,;' 45&4' 45,),' :234' A,' 92(;3' 8(' 5&(;'
8?5' 7);3' ,(32,;M' &(;' 45,' 4),&32),)' F :&;,' &')8A&*;'
?,342),' &4' 45,' &);8(&*' 3&68(?' /4&@,' 45&49' &(;' 45,('
7,(4' 99' 4 ' 211& G' (,34' &)158'),=) A&4,3' 45,'
A)24&*846' 9' 45,' &14' 8(' (' :,&32),;' 4,) :3' &(;' ?8AA,43'
45,' 1&358,)' F' 75 3,' (&:,' 7&3')&(1,31' ;,*' ,) ' (81@.

(& : , ;' 45,')&' ; ,*' 811&;8?*8 G' &3' F'45,' : 34' 8)),*8?8 23' !
&(;' 3);8;*6' &'&)818 23' :&('8(' *),(1, G W Y
&18 ' &*)8'&'98) :'=&)483&(' 9'45,' , ;818'1 2(3,**, ;'45,'
8(32*4, ;' &);8(&*4 '&)),34' 811 * ' &== (8'&4' (1,' (;'
2(4' 8,)(9,)8';&' (4, ; ?*8 '45,'1&=4&8(' 9'45,' ?2&); '
&; '83, ;'58 :'4 '=24'583'5&(;'8('583' 7('&:=*6P98**, ;'=2)3,M
;,1*&)8(?'45&4'89'5,' 7 2*;'1 :,'9)7&);'7845' (*6'47,(46'
45 23&(;'1) 7(3'9)'45,'3 *;8,)3'5,'7 2*;'2(;,)4&@,'4 '
=24' ; 7('&*' ;834:PA&(1,'&(;'5 *;'45,'1846'9)'45,' , ;818'
&?&8(34'&*' == 3848 (' 24'45,' &);8(&*'7&3'4 '48:8;'4 '
9 ** 7'45,'98)34'&(;'4 '&'&)818 23'4 '&11,=4'45,'3,1 (;' 9'
45,3,'1 2(3,*3 0' '758*,'45,'1848>,(3'7,),' =,(*6'&33,:<
A*8(?'8(' ;,98&(1,' 9'58:'2(;,)'583'(3,'&(;'45,'*,&;,)3' 9'
45,', '8;,(4*6'8: :8(,(4'8(32)),148 (' 7,),'38448(?'8(' 3,1),4'
1 (1*&','5,'7845'45,'47 '6 2(?' ,;818' *,33&(;)&'&(;'
== *84 ' (7'*&;3' 9' 38O4,,(' 8(' 583' 15&)?,'7&3' 38448(?'
5,*=*,33'8(' 45,' &*&>> ' ,;818' 7&848(?'9)'3 :,'9&' 2)&A*,'
42)(' 45,'=)8(18=&*5 =,' 9' 75815'52(?' (' 45,' :,33&?,'5,'
5&;'3,(4'4 ' 8*8== ' 4) >>8

215'7&3'45,'34&4,' 9' :&44,)3'8(' *),(1,'75,('45,'*&;6'
&8P81,'&))8',;'&(;'4 @'5,)'=&1,'&4'45,'1 2(18*.A &);' 9'
45,'8(32)?,(4' (A*,3' 4'7&3' &))&(?,;'45&4'35,'35 2*;'
7&84' (' 45,' &);8(&*' &4'45,' &*&>> ' ,;818' 45,' (,O4'
:)(8(?' (;'45,' :8(24,' &11 2(4'75815'45,'5834)8&(3'
&)158'&(;' ,?(8'5&','?8',(' 9'45,'*&;6P3'8384'4 '45,'45,,('
112=8,)3' 9'5,)'&(1,34)&*' 5 :,'35 73'&A2(;&(4*6'45&4'('
A,44,)'&?,(4'1 2*;'5&','A,,(' 3,*,14,;'9)'1 :=*,48(?'45,'
=)' &);8(&*P3'=&(81'&(;'&A3 *24,*6'9)8?54,(8(?'58:' 24'
9'45,'1846

0 5,('35,'&))8',;'8(' 5,)'*844,)'45,' (,O4' :)(8(?'&4'45,'
,;81,&(' =&*&1, L 45&4' :&?(8981,(4'=8*,' 9'A28*;8(?'75815'
83'(7'@(7('&3'45,' &*&>> ' 811&);8'&(;'75815',',)6 (,'
75 '5&3'A,,('8(' *),(1,'78**),:,:A,)'&4'45,'A 44 :' 9

W ! Y

45,' 8&' &)?& L == *84 ' 7845' 583' 424)' 45,' &);8(&*' .8; *98' : ,4' 5,)' (' 45,' 34&8)3' &(;' 1 (;214,;' 5,)' 4 ' 45,' &);8(&*' ? ',)( )' 75 '),1,8',;' 5,)' 8(' 45,') :' (,O4' 45,' 15&=,*ML &' :&?(8981,(4' 3&* (' (7' 124' 2=' A6'=&)4848 (3' 9)' 45,' 1 ('(8,(1,' 9' 3 :,' 9' 45,' :&(6' 9* 1,3' 75815'8(' 45,3,' ;&63' &),' 5&8C 2),;' 8(' 45,' ?)&(;' *;' =&*&1,' &(;' 9' 75815' (*6' 45,' ?)?, 23*6' ?8*;,;' &(;')815*6' : 2*;,;' 1,8*8(?'),:&8(3' 4 ' 4,34896' 45,' 9):,)' 3=*,(; :J' 5,' &);8(&*' 4)2348(?' 45&4' 35,' 1&:,' 4 '),8(9)1,' 58:' &(;' (4' 583' ,(,:8,3') 3,' 4 '),1,8',' 5,)' 7845',',)6' :&)@' 9' 1 2)4, 23' 7,*1 :,' 24' *&)81,' ',)6' D281@*6' 2(;,1,8',;' 58:

F' 6');Q :6');QG' 1)8,;' 35,' F'4 ' 75&4' &' =&33' 5&',' 6 2' A) 2?54' 2 3QG' (' 45,' :8;34' 9' 5,)' &(?,)' &(;' '8 *,(1,' 45,' *&;6' 7&3' = *8481',(2?5'84' 78**' A,' A3,)',;' 4 ' &99,14' 4 ' 1 (38;,)' 5,)3,*9' &3' &' ,;818' &' 35&),)' 8(' 45,' =),3,(4' 4) 2A*,3' 9' 45,' 9&:8*6' 3' 3215' 35,' 7 2*;' (&42<)&**6' 5&',' :),' 8(9*2,(1,' ',)' 45,' ? ',)( )' F ' 6 2' 458(@ G' 35,' 1 (48(2,;' F'45&4' 3215' 1 (;214' &3' 4583' 83' 8(' &(6' 7&6' 38:8*&)' 4 ' 45&4' 75815' :6' &(1,34)3' 7,),' 7 (4' 4 ' =)&1483,'bG

&)158' &332),3' 23' 45&4' 5,' 5&3' A,,(' =&)4812*&)*6' 1&),92*' 4 ' ?8',' 45,' ,O&14' 7);3' 35,' 23,;M A,1&23,'84' 5&;' A,,(' 3&8;' 45&4' 35,' 5&;' &A23,;' 45,' &);8(&*' &(;' 45,' 47 ' 6 2(?' :,(' 7845' ?) 33*6' 8(H7)8 23' &(;' 2(A,1 :8(?' *&(?2&?,' 75815' 7&3' (4' 45,' 1&3,' 4' 7 2*;' 3,,:' 5 7,',)' 9) :' 75&4' 9 ** 73' 45&4' 45,' *;' 7)84,)' 5&;' &' 4 *,)&A*6'*&)?,' (48 (' 9' 75&4' :8?54' A,' 1 (38;,),;' A,1 :8(?' 2(;,)' 45,' 12P12:.' 34&(1,3' 8(' 45,' : 245' 9' &(' &(?)6'*&;6

F' ,)' &(1,34)3 G' 35,' 1 (48(2,;' F'5&;' A,,(' = 7,)92*'8(' *),(1,' A,1&23,' 3215' 5&;' A,,(' 45,' 78**' 9' 45,' 1848>,(3' 5,6' 5&;' (' :),' 45&(' (,' 11&38 (' &A3,(4,;' 45,:3,*',3' 9) :' 45,' 1846' 8(' A,;8,(1,' 4 ' 45,' = =2*&)' 78**' &(;' 5&;'),42)(,;' 75,(' 84' 5&;' =*,&3,;' 45,' =, =*,' 4 '),1&**' 45,: ' 215' 8(' 5,)' =8(8 (' 35 2*;' A,' 45,5' 1 (;214' (7' 4' 7&3' ,'8;,(4*6' (,1,33&)6' 4 ' 1 (9):' 45,:3,*',3' 4 ' 45,' 1 (;848 (

9' 45,' 48 : ,3' 3, ,8(?' 45,' 1 (;848 (' 8(' 75815' 45,' =,' 9 2(;' 58 : 3,*9' 3' 9)' 6 2 G' 35,' 1 (48(2, ;' 42)(8(?' 4 ' 45,' 6 2(?' : ,(' F4)234' : ,' 6 2' 5&;' A,44,)' =) '8;,' 9)' 6 2)' 7(' /3&9,46' 75815' ' 5&',' (&42)&**6' :),' &4' 5,&)4' 45&(' 4583' &);8(&* 5,), G

F' 5,' &);8(&* : &;,' : &(6' &44, : =43' 4 C' 8(4,))2=4' 5,)' 4)68(?' 4 '?,4' 8(' &' 7);' 9',0123, G' 3&63' &)158M' F A24' 35,' (,',)' *,4' 58 : ' 3&6' &' 36**&A*,' 1 (48(2&**6' ' 189,)&48(?' ',)' &(;' ',)' &?&8(' 45,' 3& : ,' 7);3 G' 5,' 5834)8&(' ,?(8' A3,)',3' 45&4' 45,' *&;6' 7&3' ,(; 7,;' 7845' &' 7 (;,)92* = 7,)' 9' 4 (?2,')&(1,31 ' 844)8' 811 *U' &== (8' &18 ' &*)8' &(;'3,',)&* 45,)' 1848>,(3' 9' (4,' 75 ' 5&;' 1 :,' 8(L 3 :,' 9' 45, : ' 84' 78** A,' A3,)'^;' 9) :' 45,' &A ',' (& : ,3' A,8(?' (' (,' 38;,' &(;' 3 :,' (' 45,' 45,)' 8(' 45,' ;899,),(1,3' 75815' 7,),' ;8'8;8(?' 45,' 1846 L 4)8,;' 5&);' 4 ' 8(4,)= 3,' A,47,,(' 45,' ,* D2,(4' ;& :,' &(;' 45,' ',)< 75,* : ,;' &);8(&*M' &(;' 45,),' 7&3' &' ? ;' ;,&* 9' 1 (< 9238 (' 8(' 45,' : 8;34' 9' 75815' 45,'),=)4' 9' &' 35 4' 7&3' 32;;,(*6' 5,&);' 4' 7&3' 32== 3,;' &94,)7&);3' 45&4' 84' 5&;' A,,('98),;' A6')8(>8'&**,' ;,**&' 429&' 45,' 3& : ,' 5&8)A)&8(,;' 6 2(?' :&(' 75 3,' 38**6' &44, : =4' &4' &' 1 (3=8)&16' 8(' 9&' 2)' 9' 45,' ,;818' 8(' #' 5&3' A,,(' : ,(48 (,;' 24' 75&4' 583' =2)= 3,' 7&3' (' 45,' =),3,(4' 11&38 (' 83' (4' 1*,&)' 4' &**' ,',(43' 84' 5&;' 45,' ,99,14' 9' A),&@8(?' 2=' 45,' : ,,48(?'M &(;' *&)81,'),48),;' 4 ' 45,' (,8?5A 2)8(?' 5 23,' 9' 45,' B8( )8

5,(1,' 35,' 8 : : ,;8&4,*6' 7) 4,' 4 ' 5,)' 523A&(;' 2)?8(?' 58 :' 4 ' 1 :,' (' 4 ' *),(1,' 7845 24' ;,*&6'M 4,**8(?' 58 :' 45&4' ,',)6458(?' 7&3' ? 8(?' (' &; : 8)&A*6M' &(;' 45&4' 583' =),3,(1,' (*6' 7&3' 7&(4,;' 4 ' 1 :=*,4,' 45,' 7)@' 5,' ;8;' (4' : ,(48 (' 8(' 5,)' *,44,)' 45,' 8(18;,(4' 9' 45,' 35 4' 98),;'M ,845,)' (4' 458(@8(?' 84' 9' &(6' 8 : =)4&(1,')' ,*3,' @(78(?' 5,)' 523A&(;' 7,** ,(2?5' 4 ' 9,&8' 45&4' 84' : 8?54' &7&@,(' 583' F' =)2;,(1,'G' 4 ' &' ?),&4,)' ;,?),,' 45&(' 7&3' ;,38)&A*,' 5,' 18)12 : 34&(1,' 5 7,',)' 5&;' 8(;21,;' 5,)' 4 ' 3,(;' 5,)

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! W Y 158*;),(‘ 75 ‘ 7,),‘ 7845‘ 5,)‘ 8(‘ *),(1,‘ 24‘ 4 ‘ &‘ ‘8**&‘ A,* (?8(?‘4 ‘ 4) >>8‘ 1&**,;‘ F‘ ,‘ ,*‘, G‘ (,&)‘ 8?(&‘ (‘45,‘) &;‘4 ‘ 83&‘ (;‘84‘3 ‘ 15&(1,;‘ 45&4‘45,8)‘ 9&45,)‘1 :8(?‘ 2=‘45,(1,‘4 ‘ *),(1,‘ :,4‘ 45,:‘ (‘45,‘) &;‘7845‘45,8)‘ 424)‘ (D28)8(?‘9) :‘45,:‘45,‘),&3 (‘ 9‘ 45,8)‘ D28448(?‘ 45,‘1846‘5,‘5,&);‘45,‘34)6‘ 9‘45,‘35 4‘ 75815‘ 5&;‘A) @,(‘ 2=‘ 45,‘ :,,48(?‘ 8(‘ 45,‘ &*&>> ‘ ,;818M 75,),2= (‘45,‘ =)2;,(4‘A&(@,)‘8: :,;8&4,*6‘34 ==,;‘35)4‘&(;‘ ;,4,):8(,;‘ (4‘4 ‘ ',(42),‘8(4 ‘45,‘ 1846‘45&4‘ (8?54‘A24‘4 ‘3*,,=‘ &4‘&‘ =*&1,‘1&**,;‘ ,?(&8&‘ &A 24‘47 ‘ :8*,3‘ (‘45&4‘38;,‘ 9‘84‘ 5,‘ (,O4‘ :)(8(?‘5 7,',)‘5&'8(?‘A,,(‘),&332),;‘A6‘ 3,',)&*‘ 9‘45,‘=&)46‘75 ‘7,(4‘ 24‘4 ‘ :,,4‘58:‘&4‘ ,?(&8&‘ 5,‘',(42),;‘4 ‘1 :,‘ (‘4 ‘ *),(1,‘75,),‘5,‘7&3‘),1,8',;‘ 7845‘45,‘24: 34‘:&)@3‘ 9‘),3=,14‘&(;‘7,*1 :,‘ 0,‘5&',‘ 45,‘;,4&8*,;‘&11 2(4‘ 9‘45,3,‘ ,',(43‘9) :‘45),,‘1 (4,:= <)&)6‘5834)8&(3‘5 (,34‘38:=*,‘*8A,)46.* '8(?‘ &)1588M),< 3=,14&A*,‘?)&',‘315 *&)*6‘ ,?(8M &(;‘),(> ‘ 4) >>8‘45,‘ 1 (3834,(4‘)&;81&*‘ &(;‘ ;8318=*,‘ 9‘ &' (&) *&‘ (;‘84‘83‘ 7)45‘ A3,)'8(?‘45&4‘(‘ (,‘ 9‘45,3,‘7)84,)3‘8(‘),1);8(?‘ 5 7‘45,‘?),&4‘34&4,3:&(‘&(;‘98(&(18,)‘3,(4‘583‘789,‘&: (?‘ ;&(?,)3‘ 75815‘5,‘7 2*;‘(4‘9&1,‘58:3,*9‘&(;‘9) :‘9,&)‘ 9)‘583‘ 7(‘=,)3 (‘5,384&4,&‘4 ‘),H 8(‘5,)‘,',(‘75,(‘ =),338(?*6‘32: : (,;‘A6‘5,)‘:&(89,343‘45,‘3*8?54,34‘(48 (‘ 45&4‘5,‘83‘4,**8(?‘&(6458(?‘&4‘&**‘;,) ?&4)6‘4 ‘45,‘15&)&14,)‘ 9‘45,‘?),&4‘:&(‘75 3,‘;,,;3‘5,‘83‘(&))&48(?‘ (‘45,‘ 1 (4)&)6‘&**‘ 4583‘ ,O1,338',‘ 1&),‘4 ‘@,,=‘583‘ 7(‘=) =,)‘ =,)3 (‘ 24‘ 9‘45,‘),&15‘ 9‘= 338A*,‘;&(?,)‘ (*6‘ &98A);3‘ 45,3,‘7)84,)3‘45,‘ 11&38 (‘9)‘:),‘ 9‘45,‘,4,)(&**&2;&48 (3‘ 9‘583‘F=)2;,(1,G

8*8== ‘ 4) >>8‘7&3‘:,4‘&4‘45,‘1846‘?&4,3‘&(;‘,31)4,;‘ 4‘583‘ 7(‘=&*&1,‘A6‘&‘*&)?,‘A ;6‘ 9‘45,‘*,&;8(?‘:,(‘8(‘ *),(1,‘ ,‘9 2(;‘583‘5 23,‘92 ‘3&63‘ &)1588‘ 9‘1848>,(3‘ ,&?,)‘4 ‘7,*1 :,‘58:‘4 ‘45,‘1846‘&(;‘*,&)(‘45,‘*8(,‘ 9‘ 1 (;214‘5,‘7&3‘;83= 3,;‘4 ‘&; =4‘ 94,)‘&35)4‘1 2(18**‘ 5,*;‘8(‘&(‘8((,)‘ :‘7845‘45,‘=)8(18=&** :,:A,)3‘ 9‘A83

9& : 8*6 &(; = *8481&* 1 ((,148 (3 84 7&3 ;,18;,; 45&4 5,
35 2*; &4 (1, 7&84 (45, &);8(&* ? ',)( ) &4 45,
&*&>> ,;818 M &(; 45&4 5, 35 2*; ; 3 &3 (&( );8<
(&)6 11&38 (9 & 38 : =*, '8384 2(&) : ,; &(; &11 : =&(8,;
(*6 A6 583 A) 45,)),(> 8*8== 5,384&4,; : 215 3&63
),(> A,9), 5, 7 2*; 1 (3,(4 4 4583 9,&)8(? 45&4 45,
,;818 : 8?54 ',)6 = 338A*6 1 (1,8', 45&4 583 ;,&45 &4 45,
=),3,(4 1 (H2(142), 7 2*; ?),&4*6 4,(; 4 1)235 45, 8(32)<
),148 (&)6 : ',:,(4 &(; 3,12), 45,8) 7(= 3848 (M &(;
45&4 84 7 2*; A, & ',)6 ,&36 : &44,) 4 ;83=&415 58 : 75,(
5, 7&3 8(45,8) 5&(;3 &(; 8(45,8) 7(5 23, &)158
4 84 83 9&8) 4 :,(48 (,'8;,(4*6 1 (38;,)3 45&4 45, 34,=
7&3 (4 7845 24 ;&(?,) 9) : 4583 1&23, 4) >>8 4)234,;
: 215 5 7,',) 5, 3&63 4 45, =,)32&38 (45&4 45, &);8(&*
&33,)8(8 7&3 4 F 1 7&8P;*6 G 4 : 28P;,) 58 : 4523
8*8== =,(,; 45, 8(4,)'8,7 A6 &3@8(? 9) 8(9) : &48 (
),3=,148(? 45, 34&4, 9 4588(?3 8(*),(1, =),4,(;8(? 4
A, 75 **6 8?( )&(4 9 &** 45&4 5&; 5&==,(,; &3 (, H234
&))8',; 9) : & ;834&(1, 5, &);8(&* 9)4 (& &==&<
),(4*6 5&; (4 45, 9&1, 4 =),4,(; 45&4 5, A,*8,',; & 7); 1
9 &** 4583 24 6 2(? == *84 4&@8(? 84 &** &3 38 : =*,
9&14 A,?&(4 4,** 8*8== 45, 75 *, 34)6 M 5 7 8(9&: 23*6
45, 1846 7&3 A,5&'8(? L 5 7 3&;*6 =),1&)8 23 45,8) 7(
=),3,(4 = 3848 (7&3 L 5 7 ?),&4*6 8(;&(?,) 45, 75 *,
9&A)81 9 ,;81,&(&31,(;&(16 , 1 :=*&8(,; A844,)*6
9 45, 1 (;214 9 *&)81, 38(1, 35, 5&; &))8',; 8(*),(1,
= 8(48(? 24 4 5,) 523A&(; 5 7 2((&428P&**6 35, & ,;818
7&3 A,5&'8(? 8(4523 42)(8(? &?&8(34 5,) 7(@8(&(;
38;8(? 7845 34)&(?,)3 4 5,) A* ; , 3&8; 45&4 84 7&3
,(48),*6 78(? 4 5,) 8(4)8?2,3 &(; '8 *,(1, 45&4 45,6 5&;
1 (3,(4,; 4 &** 7 45, B),&4 2(18* 4 :,,4 &(; 112=6
843,*9 7845), *248 (&)6 =) H,143 24 5, &;;,; 45&4
(7 45&4 8*8== 5&; 1 :, 84 7 2*; A, ,&36 4 2(;
&** 45&4 89 (*6 5, 7,), ;83= 3,; 4 34&(; A6 45,: &(;
,O,)4 58 : 3,*9 8(45,8) 1&23, 8(,&)(,34 , 1 (1*2;,; A6

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□), : 8(; 8(?' 58 : ' 45&4' 45,' ;&6' 7 2*;' &332), ; *6' 1 : ,' 75, ('
W Y , ;81 &(' ?)&4842 ; ,' 7 2*;' ?8',' 58 : ' &A2(; &(4' 1&23,' 4 '
1 (?)&42*&4,' 58 : 3, *9' (' 5&'8(?' 5, *=, ;' 45, : ' 8(' 45,8)' 5 2)'
9' (, , ;
4) >>8'),=*8, ;' 7845' 45,' 24 : 34' &99&A8*846' &(;' @8(; (, 33'
,' ,O=), 33, ;' ?), &4' 3)) 7' 9)' &**' 45&4' 5&;' 112)), ;' 82' 45,'
1846' &(;' ,3=, 18&**6' ; ,1*&), ;' 58 : 3, *9' =&8(, ;' A6' 45,' 8**' 1 (<
; 214' 9' *&)81,' &;' 35,' (4' A, , (' &' , ;818' 5,' 3&8; ' F' 5,'
7 2*;' 5&',' 3 '),=)8 : &(; , ;' 5,)' 8(' =2A*81' &(;' &; : 8(834,), ;'
3215' &' 15&3483, : , (4' 8(' =)8' &4,' 45&4' 84' 7 2*;' 5&',' ? (,'
5&) ;' 7845' 5,) G' 24' &; ; , ;' 5, ' 7845' &' 38?5' 45,'), &*' 9&14'
7&3' 45&4' *&)81,' 9, , 5(?' 5,)3, *9' &3' (,' 9' 45,8)' A* ;' 4 '
A,' 9&)' 32=,)8)' 8(' 1 (; 848 (' 4 ' 58 : 3, *9' 5,' 2(5&==8*6' 5&;'
(4' 45&4' &: 2(4' 9' 1 (4) *' ',)' 5,)' 45&4' 1 2*;' A,' 7835, ; '
8(&**6' =)2; , (4' 8*8== ' =) : 83, ;' 4 ' 5&34, (' 8 : : , ; 8&4, *6'
4 ' 45,' B), &4' 2(18*' 45, (' 38448(?' &(;' 4 ' 3, ,' 5 7' 9&)'
84' : 8?54' A,' = 338A*,' 4 ' ?28; ,' 45,' = =2*&)' 7d*' 8(' 3215' &'
; 8), 148 (' &3' 45, 6' ; , 38), ;
J 4) >>8' 8(' 4)245' ; 8; ' =) 1, , ;' 9)457845' 4 ' 45,' 5&**' 9' 45,'
B), &4' 2(18*' M &(;' 9 2(;' 45,), ' &3' 9' 1 2)3`' 5,' 5&;' 8(<
4, (; , ;' 4 ' 98(; ' 45&4' 2(9)42(&4, *6' 458(?3' 5&;' &*), &; 6' ? (,'
: 215' 4 ' 9&)' 9)' 84' 4 ' A,' 3&9,' 4 ' &44, : =4' 45, (' 4 '), ',) 3,'
45,' ; , 1838 (3' 75815' 45,' 1848>, (3' 5&;' 1 : ,' 4 ' 83' 98) 34'
1&),' 7&3' 4 ' 3, (;' &' : , 33&?,' A6' &' 4) 2346' &?, (4' 4 ' 45,' 1&=<
4&8(' 9' 45,' ?2&) ; ' 4 ' 45,' , 99, 14' 45&4' 583' 3,)' 81, 3' 7,),' ('
* (?,)'), D28), ;' &4' 45,' 0" ")) ' 0' ' &(;' 45&4' 5,'
: 8?54' 7845;)&7' 583' 4) =3' 5, (' 5,' 52))8, ;' A&1@' 4 ' 45,'
&*&>> ' , ;818' &(;' 1 : : 2(81&4, ;' 4 ' 45,' &); 8(&*' &(;'
45,' 47 ' 6 2(?' : , (' 45,' 2(3211, 3392*' 8332,' 9' 583' , (; , &<
' 2)3' M &; ; 8(?' 45&4' 8(&3 : 215' &3' 84' 7&3' 4 ' T&4, ' 9)' 45,),'
4 ' A,' &(6' 5 =,' 9' 3, 448(?' &38; ,' 45,'), 3 *248 (3' 4 ' 75815'
45,' 2(18*' 5&;' 1 : , ' 5`' 5&;' H2; ?, ; ' 84' 8(' 45,8)' 8(4,), 34'
A6' (' : , &(3' H8)2; , (4' 4 ')83@' 15&(?8(?' 45,' 9&' 2)&A*,'
8(4, (48 (3' 9' 45,' 1848>, (3' 4 7&); 3' 45, : ' A6' &; '&(18(?' &(6'
A(O8 23' =), 4, (38 (3' (' 45,8)' A, 5&*9' 5,' F' 9&' 2)&A*,' G

),3 *248 (3' (' 75815' 45,' = =2*&)' 2(18*' 5&;' ;,18;,;' 7,),' 45&4' 45,' ,;818' 35 2*;' (4' A,' ,O8*,;' ( )' 184,;'4 ' ?8','&(6' &11 2(4' 9'45,'=&34'M A24' 7,),'4 ' A,' =,) : 844,;'4 '*,&','45,' 1846')'4 '),38;,'8('84' &4' 45,8)'=*,&32),' ('45,'3& : ,'4,) : 3' &3' &(6' 45,)' 1848>,(3' 4' 83' 5&);*6' (,1,33&)6'4 ' A3,)',' 5 7,',)'45&4' ('),&* 8(4,(48 (')',O=,14&48 (',O834,;'45&4' 45,'*&44,)'&*4,)(&48','35 2*;')'7 2*;'A,'&11,=4,;

'45,'47 ' 6 2(?'318 (3' 9'45,' ,;818' 75 ' 5&;'A,,('A) 2?54' 2=' 4 ' 1 (38;,)' 45,:3,*',3' &3' =)8(1,3' 7845' &' 34) (?' 3,(3,' 9'45,' ;8?(846'&(;'=)8'8*,?,3' 9'3215'&'= 38< 48 (' &(;' (4' &' 35&; 7' 9' &'1 (1,=48 (' 9'843' ;248,3' &(;'),3= (38A8*848,3'4583'8(;2*?,(4' =,) : 8338 (' 4 '*8','&3' =)8'&4,' 1848>,(3'8(' 45,'1846'45,6'5&;'* @,;'4 ')2*,'&(;'4 '4&O'&3' ;,3= 43' 7&3' ?&**'&(;'7) : 7 ;' 24' 45,),'&==,&),;'('=),3,(4' = 338A8*846' 9'),38348(?'M &(;'8(;,,;' ',)6'38?(898< 1&(4' 36 : =4 : 3' A,?&('4 ' : &(89,34' 45, : 3,*',3' 75815'8(;8< 1&4,;'45&4' 45,'4,:=,)' 9'45,'= =2*&1,' ;,3=84,'45,';,1),,' 9'45,'B),&4' 2(18*' 7&3' 3215'&3' : 8?54' : &@,'84'8 : =)2;,(4' 9)'45,:'4 '458(@' 9' &'&8*8(?'45,:3,*',3' 9'45,'=,) : 8338 (' 4 '),:&8('8('45,'1846' (' &(6'4,) : 3' 5,' *),(48(,3'&3' &)158'3&63' ,';8;'(4' 9,,*45,:3,*',3'4 ' A,'9),,G' &3'* (?' &3' &(6' 9'45,' ;,4,34,;')&1,'7,),' 6,4'8(' 45,8)' *;'*&8)' 5,6'7,),' A,(4' (' 15&(?8(?' &H'45,6'38?(8981&(4*6'=5)&3,;' 84' F'(4' 45,'78(,' (*6' A24' 45,'9*&3@'&*3 G' 5,'48;,' 9' = =2*&)'9,,*8(?'7&3')&=8;*6')838(?'9) :'5 2)'4 '5 2)'M &(;' 45 3,'75 'A,34'@(,7' *),(1,' &(;'843' =, =*,' 3&7'45&4' 84' : 8?54' ',)6'3 (' A,1 :,' &' D2,348 (' 75,45,)' 45,' 6 2(?' 5,5P3' 9'45,' ,;81,&(' 9)42(,3' : 8?54' A,' &** 7,;'4 ' ?,4' 24' 9'45,'1846'8(' 3&9,46

3'9)'45,' &);8(&*' 9' K)4 (&' 75&4' 7845'9,&)3'9)' 583 7(' 3&9,46' &(;'&'3,(3,' 9'45,'&11 2(4' 5,'7 2*;' (,';&6' 5&',4 '),(;,)'4 ' *,:,(4' 9)'45,':&(&?,:,(4' 75815'5&;' &** 7,;':&44,)3'4 '1 :,'4 '4583' =&33' 5,'* 34' &*' =),3,(1,' 9' :8(;'&(;'A,1&:,',(' :),'8(1&=&A*,'45&(',')' 9' H2;?8(?'3 2(;*6',845,)'9)' 45,)3')'58:3,*9

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U ' # ' ' ' ' ' L

W # Y (;,)' 45,3,' 18)12:34&(1,3' 4) >>8' 7,(4' &?&8(' 4 ' 45,' &*&>> ' ,;818' 4 ' = 8(4' 24' 4 ' 45,' 6 2(?' :,(' 45,' 1 (< ;848 (' 9' :&44,)3' 8(' 45,' 1846' &(;' 4 ' 2)?,' (' 45,:' 45,' =)2;,(1,' 9';,=&)48(?' 758*,' 45,6' 7,),' 6,4' 9),,' 4 ' ; ' 3 ' 4' :&6' 7,**' 5,' A,*8,',;' 45&4' =)2;,(4' 1&248 23' 8*8== ' 7&3'),&**6' &(O8 23' 4 ' ?,4' 45,:' &7&6' 3&9,*6' 24' 9' 45,' 1846' &(;' 4 ' &' 8;' 45,' ;&(?,)' 9) :' = =2*&)' '8 *,(1,' 75815' :,(&1,;' 45,:' 24' 84' 7&3' ;899812*4' 4 ' A)8(?' 45,:' 4 ' &(6' ;,1838 (' &(;' 48:,' =),33,;' *),&;6' 45,8)' ;,=&)42),' 9) :' 45,' 1846' 8(' 3&9,46' 7&3' &' :),' ; 2A492*' &(;' 5&>&); 23' :&44,)' 45&(' 84' 7 2*;' 5&',' A,,(' &(' 5 2)',&)*8,)' 9)' 45,' 34),,43' 7,),' A,< ?8((8(?' 4 ' A,' 98**,;' 7845' =, =*,' :),')' *,33' '8 *,(4*6' 5 348*,' 4 ' 45,:' 5,' 78(;' 9' 45,' = =2*&)' 7)&45' 7&3',' '8< ;,(4*6')838(?' &(;' 45),&4,(,;' 34):' 5,' &);8(&*' &(;' 45,' 6 2(?' :,(' 5&;' 1* 3,4,;' 45,:3,*',3' 4 ?,45,)' 8(' &(' 8((,)') :' 9' 45,' =&*&1,' =) :838(?' 45&4' 45,6' 7 2*;' ?8',' 4) >>8' &(' &(37,)' 35)4*6' 24' 45,' :8(24,3' 7,(4' (' 8*8== ' 7&3' A,1 :8(?' 2(,&36' &(;' :),' &(;' :),' &(O8 23' &3' 4 ' 45,'),32*4M &(;' 348**' (' &(37,)' 1&:,

4) >>8' A,1&:,' &*&):,;' &(;' &(?)6M' &(;' &3' 45,' A,34' :;,' 9' 5&34,(8(?' 45,8)' ;,*8A,)&48 (3' ;,4,):8(,;' 4 ' 3,4' *&)81,' (' 45,:

F' *&)81,' QG' 1)8,;' 5,' 4 ' 583' 789,' 75 ' 7&3' 8(' 45,' =&*&1,' &7&848(?' 45,'),32*4' [84' 83' 45,' 5834)8&(' ,?(8' 75 ' 5&3'),< 1);,;' 45,' 8(18;,(4' &(;' 45,' 7);3]' F' *&)81,' 84' 7 2*;' A,' 7,**' 45&4' 45,6' 35 2*;' A,' D281@' &A 24' :&@8(?' 2=' 45,8)' :8(;3' 8(' 45,),M &(;' 84' 83' 9)' 6 2' 4 ' ; ' 75&4,',)' 6 2' ;,,:' A,34' 4 ' 5&34,(' 45,:P

5,' 1&248 23' A&(@,)' ;8;' (4' 7835' 45&4' 45,3,' =)8(1,*8(?3' 35 2*;' 5&',' &(6' 5&)35' 7);3' 4 ' D2 4,' &?&8(34' 58:' 5,),< &94,)

24' *&)81,' (' 3 (,)' ? 4' 45,' &A ',' 58(4' 9) :' 5,)' 523A&(;' 45&(' 35,' 7,(4' 8(4 ' 45,') :' 75,),' 45,' *;' :&(' &(;' 45,' 47 ' 6 2(?' (,3' 7,),' 5,384&48(?' 8(' &(' &? (6' 9' 8(;,1838 (M &(;' F' 7845' &' 9&1,G' 3&63' ,?(8' F' 92**' 9' 8(.

;8?2&48 (' &(;' 1 (4, : =4' &(;' 7845' :&(*6.A,&)8(?' 3&8;' 2I
)&838(?' 5,)'' 81,' 3 ' 45&4' 84' 7&3' 5,&);' A6'45 3,' 2438;,'' #N
/ 4' 7 2*;' A,' ;83?)&1,92*' 4 ' : ,' 75 ' &:' &' 7 :&('4 ' A,'
4523' 8(1&=&A*,' 9' 1 :8(?' 4 ' &' ;,1838 ('4 ' &; =4')'),H,14'
45,'1 2)3,' 75815' 5&3' A,,(' =) = 3,;'4 ' 6 2 ' &3' 45,' 3&9,34'
89' (4' =,)5&=3' 45,' : 34' 5 (:R&A*,' 5,' 48 : ,'9)' 1 (<
38;,)&48 (' 7&3' 75,('6 2' 7,),' 3 ' 1 (;2148(?' 6 2)3,*',3' &3'
4 ' A)8(?' 458(?3' 4 ' 4583' =&33' 4' 7&3' (4' 4523' 45&4' :6'
&(1,34)3')2*,;' &(;' ?&8(,;'45,'&989,148 (3' 9'45,' *),(48(,3'
24'6 2' A6'6 2)' 1 (;214' 35 7'=*&8(*6',(2?5' 89' 84' 5&;'
(4' A,,(' @(7(' A,9),' 45&4' 6 2' &),' (4' 9' 45,' A* ;' 9'
45,' ,;818 J' (;' ' 3&6' 4583' (4' 9' 6 2' (*6' A24' 9'
=,' *,:,(4' 7) (?92**6' =,' &(;' : 34')8?54, 23*6'(7'
=)83 (,)' 8(' 4' (?,* ' 5,'),=24&48 (' 9' 45,' 9&:8*6'
:&6'?' 4 '45,' ; ?3'9)' :,'Q (;'9)' 6 2'?' 24'9) :'&'
5 23,'&(;' 9) :' &' 1846' (,845,)' 9' 75815' A,* (?' 4 ' 6 2'
,845,)' A6'(8?54' 9' A8)45')' A6'6 2)' 7(' :,)84' B 'Q &(;'
* 3,'('48 :,'8('3,448(?' &A 24'84'QP G9

5,' *&;6' *&)81,' 5&;' 8(,,;' &3' 45,' 5834)8&(' ?)&',*6'
),:&)@3' &' 7 (;,)92*= 7,)' 9'4 (?2,

5,' &);8(&*' &(;' 45,' 47 ' *&;3' 7,),' 3&63' ,?(8' F'3 '
',)75,*:,;' A6'3215'7);3'3 '3= @,('A6'3215'&'7 :&(G'
45&4' 45,6'&4' (1,' =) 9,33,;' 45,8)' 78**8(?(,33' 4 '?' M (*6'
8:=*)8(?' 45&4' 4) >>8' 7 2*;' 3,,' 45, :' 3&9,' 24' 9' 45,'
4 7('583' 5 7,',)' 7&3' (' * (?,)' &' ',)6',&36'4&3@' 4 '
2(;,)4&@,' 5,' 75 *,' *,(?45' 9' 45,' 8&' &)?&'*&6'A,<
47,,(' 45,' ,;818' =&*&1,' &(;' 45,' 1846' ?&4,'M &(;'84' 7&3'
(7'1* 3,*6'45) (?,;' A6'&' 45),&4,(8(?' 1) 7;' 7,',)'
4) >>8' &(;' 811 *U' &== (8' =) :83,;' 4 ')8;,' 7845' 45,:'
4 '45,'?&4,' (;'45 2?5' &3' 45,6'=&33,;'&* (?'45,'34),,4'
:),'45&(' (,' ' 81,' 7&3' 5,&);' 3&63' &)158'4 ' :244,)' 45&4'
45,' ;&6' 7 2*;' 1 :,' 75,(' 45,' *),(48(,3' 7 2*;'),=,(4

Z' #<6'8 *969'1,'1<6'4226>414)8:;',%1<6';,*.>')6.'8.9',%' 26)6.1'
1' #6>.4' ,4'4'5'WY'69':41

' ,'

U ‘ # ‘ ‘ ‘ ‘ ‘

W Y

5&'8(?‘&** 7,;‘45,:‘4 ‘ ;,=&)4‘&*8',‘45,6‘),&,5,;‘45,‘?&4,‘
2(5&):,;‘&(;‘) ;,‘45&4‘(8?54‘&11 :=&(8,;‘A6‘ 4) >>8‘4 ‘
45,‘ ,;81,&(‘'8**&‘ 9‘ ??8‘V‘ &8&(‘&A 24‘4,(‘)‘47,*',‘
:8*,3‘9) :‘ *),(1,‘ (‘45,‘) &;‘4 ‘ 834 8&
(;‘ 4523‘ 7&3‘ 1 :=*,4,;‘ 45,‘ 458);‘ ,O=2*38 (‘ 9‘ 45,‘
,;818‘9) :‘ *),(1,‘ (‘45,‘ N45‘ 9‘ &6‘ #N

W Y

3211,,;,;8(&11 :=*8358(?45, AH,14 95834 :8338 (M &(;
7&3),42)(8(?4 7&);3 *),(1,75,(5, :,445,47
=)8(1,3 78445, &);8(&* 9)4 (& (45,) &; (
),=*64 583 8(D28)8,3 45,63&8;45&44 45,67,), ? 8(?4
211& (;4) #>88((52))6=) A&A*64),42)(H234
6,44 45, 3,,458(?'&(; ;&(?,) 233 1 (9238 (9 *),(1,
3&8;45&44 5,7 2*;? 45845,)7845 45, : 3 844 42)(,;
24 5 7,',)45, F=)2;,(4G :&(7&3A64583 34,=)2((8(?
583 5,&;8(4 :2154 7)3,4) 2A*,3 45&(5,7 2*;5&',8(
&** =) A&A8*846,(1 2(4,),;5&;5,),42)(,;4 *),(1,
)&4 211&*,44,)39) :45, :&?834)&4,37,),5&(;,;4
58:4,**8(?58:45&44 45,);,)37 75815 45, ,;818 5&;
A,9),45,67,),=,):844,;4 *,&',*),(1,A,,(1 :<
=,**,;4 3,(;4 45,1 ::&(;&(43 95 45,9)4),33,3 9
83&&(; ,?5)(,(H 8(8(?45 3, 9981,)3 4 ?8',2=45,
=*&1,3 5,*;A6 45,:4 45, ,=2A*81 5&;A,,(),923,;A6
45,: 5,1&=4&8(3 9 45,3,34) (?5 *;3 ; 2A4*,33 @(,7
=,)9,14*6 7,** 45&44 2= (4583 11&38 (45,67,), &148(?
&11);8(?4 45, 7835,3 9 45,8) :&34,)3 A6 ;83 A,68(?
45,88.7)844,( );,)3 24 84 7&33 8:=)4&(4 4 45, ,<
=2A*81 4 5&',45 3,=*&1,3 8(843 5&(;3M &(;45,*,44,)3
75815),&15,; 4) >>8 &44 211&,(H 8(,;58:(4 4 * 3,
583 5 *;2= (45,6 2(?=)8(1,3 2(48* 45,9)4),33,3 7,),
?8',(2=

5,1 ::&(;&(4 &4 83& 5&;7)844,(45&4 5,7 2*;
32)),(;,) 45, =*&1, 89);,),;4 ; 3 A6 == *84 8(
=,)3 (5,),?2*&) 1 2)3, &11);8(?4 45, :8*84&)6
)2*,3 9 45, 48:,),D28),;45&44 &(9981,) ,(4)234,;7845
45, 3&9,5 *;8(?9 &?&))83 (,;9)435 2*;2(;,) (18)<
12:34&(1,3 A,6 &(6);,) 4 ?8',84 2= 48(*,33 &11 :<
=&(8,; A6 45, F=&337);G &))&(?,;A,47,,(58: &(;
583 32=,)8) 9 4583 =&337);7,),3= @,(84 7 2*;
5&',A,,(45,8) ;246 4 A,63=,&@45,7);75 :8?54
24 45, &);8(&* 9)4 (&&(;45,6 2(?:,(&33,)4,;
45&44583=&337);7&38(*,:,(4P3 7(@,,=8(? (;,)

45,3,‘ 18)12 : 34&(1,3‘ 4) >>8‘ 4 @‘ == *84 ‘ 7845‘ 58 : ‘ 9) : ‘ 211&‘ 4 ‘ 83&‘ &(;‘ 3299,), ;‘ 58 : ‘ 4 ‘ ,(4,)‘ 45,‘ 9)4),33‘ &* (, ‘ 9)‘ 45,‘ =2)= 3,‘ 9‘ =,)32&;8(?‘ 45,‘ 1 : : &(;&(4‘ 4 ‘ ?8',‘ 84‘ 2=‘ 94,)‘ &758*,‘ 45,‘ 6 2(?‘ : &(‘ 1& : ,‘ 24‘ ;,1*&)8(?‘ &3‘ : 8?54‘ 5&',‘ A,,(‘ ,O=,14,;‘ 45&4‘ 45,‘ 1 : : &(;,)‘ 7&3‘ A348< (&4,‘ &(;‘ &A3 *24,*6‘),923,;‘ 4 ‘ A,6‘ &(6‘);,)‘ 2(&11 : < =&(8,;‘ A6‘ 45,‘ =) =,)‘ =&337);‘ 4) >>8‘ 5 7,',)‘ 4 @‘ == *84 ‘ 4 ‘ 4&3@‘ 3 ‘ 3,',),*6‘ &(;‘ = 8(4,;‘ 24‘ 4 ‘ 58 : ‘ 3 ‘ 34) (?*6‘ 45,‘ =) A&A8*846‘ 45&4‘ 5,‘ &(;‘ 583‘ 9& : 8*6‘ : 8?54‘ * 3,‘ &*‘ 45,6‘ = 33,33,;‘ 8(‘ *),(1,‘ &3‘ 7,*‘ &3‘ 45,‘ 5 =,‘ 9‘ ,',)‘),42)(8(?‘ 45845,)‘ 89‘ 5,‘ =,)3834,;‘ 8(‘ ;,1,8‘ 8(?‘ 45,‘ ,=2A*81‘ 45&4‘ A,‘ &4‘ *&34‘ 1 (9,33,;‘ 45&4‘ 45,‘ =&337);‘ 7&3‘ 8(‘ 45,‘ @,,=8(?‘ 9‘ (,‘ (‘ (?,* ‘ &)>8‘ 75 ‘ 7&3‘ 45,(‘ 8(‘ 211&‘ (;‘ 5,‘ 7) 4,‘ 4 ‘ 45&4‘ 9981,)‘ 2(;,)‘ 4) >>8P3‘ ;8),148 (‘ &(‘);,)‘ 4 ‘ 3,(;‘ 58 : ‘ 45,‘ =&337);‘ A6‘ 45,‘),42)(‘ 9‘ 45,‘ : ,33,(?,)‘ 0 5,(‘ 4583‘ 7&3‘ ;83=&415,;‘ 45,‘ 6 2(?‘ : &(‘ =*,&;8(?‘ 7,&)8(,33‘),48),;‘ 4 ‘ 583‘ 15& : A,)‘ 4 ‘ 3*,,=‘ 4) >>8‘ 45,(‘ A,45 2?54‘ 58 : ‘ 45&4‘ 84‘ 7 2*;‘ A,‘ 7,*‘ 4 ‘ =*&1,‘ & ?2&);‘ &) 8 : ;‘ 45,‘ 9)4),33‘ 4 ‘ : &@,‘ 32),‘ 45&4‘ (‘ 9),35‘ 9)1,‘ 7&3‘ 3 : ,=4848 23*6‘ 8(4) ;21,;‘ 8(4 ‘ 84‘ 24‘ &3‘ 5,‘ 7&3‘ 4 ‘ 1&248 23‘ 4 ‘ ',(42),‘ (‘ ?8'8(?‘ 45,‘ (,1,33&)6‘);,)3‘ 7845 24‘ 1 : : 2(81&48(?‘ 7845‘ 45,‘ ? ',)( )‘ 9‘ 45,‘ 1846‘ 5,‘ D2844,;‘ 45,‘ 5 23,‘ 8(‘ 75815‘ == *84 ‘ 7&3‘ F‘ 3*,,=8(?‘ 8(‘ 583‘ 15& : A,)‘ *‘ 9)‘ 45,‘ =2)= 3,‘ 9‘ 1 (9,))8(?‘ 7845‘ 45&4‘ &245)846‘ 5,‘ ? ',)( )‘ ?&',‘ 583‘),&;6‘ &33,(4‘ 4 ‘ 45,‘ =) = 3,;‘ 34,=‘ &(;‘ 8*8== ‘ *,94‘ 58 : ‘ 4 ‘ 4&@,‘ : ,&32),3‘ 9)‘ 843‘ ,O,1248 (‘ 24‘ 2= (‘),4 : .(8(?‘ 4 ‘ 583‘ D2&)4,)3‘ 75,),‘ 5,‘ 5&;‘ *,94‘ == *84 ‘ 5,‘ *,&)(,;‘ 45&4‘ &3‘ 3 (‘ &3‘ ,',)‘ 583‘ A&1@‘ 5&;‘ A,,(‘ 42)(,;‘ 45,‘ 6 2(?‘ : &(‘ 5&;‘ : &;,‘ &(‘ ,(;‘ 9‘ 583‘) "‘ &(;‘ 5&;‘ D2844,;‘ 83&

4) >>8‘ 7&3‘ A844,)*6‘ :)4898,;‘ &3‘ 583‘ A) 45,)‘ &; : 843‘ &4‘ 5&‘ 8(?‘ A,,(‘ 4523‘ 9 8*,;‘ A6‘ &‘ A 6‘ 9‘ 3804,,(‘ 24‘ 45,‘ 8(< 18;,(4‘ 5&;‘ 7)3,‘),32*43‘ 45&(‘ 45,‘ : ,),‘ :)48 1&48 (‘ 9‘ 583‘ '&(846‘ *),(1,P‘ 7&3‘ &3‘ 5,‘ @(,7‘ 8(‘ &‘ ',)6‘ 323=818 23‘ : ;‘ ‘ &(;‘ 5,‘ 9),3&7‘ 45&4‘ 45,‘ = =2*&)‘ ' 81,‘ 7 2*;‘ A,

U [' # ' ' ' ' '

I 32),'4 ' &1123,'*88 :' 9' 5&'8(?' 1 ((8',;'&4'45,',31&=,' 9'45,'
W Y ,;81,&(' =)8(1,'8('45,'4,,45' 9'45,');,)'5,'5&;'),1,8',;'
4' 4 '*,4' ,845,)' 9'45,:' ? ' 24' 9'583'38?54'48**'45,'9)<
4),33,3'5&;'A,,(' ?8',(' 2=
0 5,('5,'),42)(,8;'4 ' *),(1,'5,'9 2(;' :), ',)'45&4'
*&)81,'5&;' (' 5,)'=&)4'A,,(' &148(?'8(' &' :&((,)'34) (?*6'
1&*12*&4,;'4 ' 99,(;'45,' = =2*&)'9,,*8(?' &(;'4 ' &44)&14'
323=818 (' 4 7&);3'5,)3,*9'&(;'4523'1 (98) :'45,'8;,&' 75815'
5&;'4&@,(' = 33,338 (' 9'45,'= =2*&)' :8(;'45&4' 4) >>8'7&3'
'=*&68(?' &'9&*3,'&(;' ; 2A*,'?&:,' 4' 1&((4'A,' ; 2A4,;'
45&4' *&)81,'7&3' : 34' 38(1,),*6'8(',&)(,34'8('5,)'5&4),;'4 '
*,:,(4'&(;'8('5,)'8?) 23' 1 . =,)&48 ('8('45,'7)@' 9'
52(48(?' 24'9) :'45,'1846'45,'? ',)( )'&(;'45,'47 'D2,3<
48 (&A*,' ,;81,&(' 318 (3' 2(;,)' 583' =) 4,148 (' 24' 84'
:8?54'7,**JCA,'D2,348 (,;'75,45,)'5,)'>,&*'9)'45,8)',O=2*<
38 (' ;8;' (4' &)83,')&45,)'9) :'45,8)' 'A,8(' ,;818'
=) =,)*6'&(;' ;2*6'3215'45&(' 9) :'45,8)'A,8(?'3 ' 4'
,O184,;'5,)',O4),:,'8(;8?(&48 (' 4 ' 3,' &**'45,' ,;81,&('
5 (2)3'&(;'&31,(;&(16'8('45,'5&(;3' 9'45),,'8**,?848:&4,'
8(;8'8;2&*3'8(' 45,'1&3,' 9' (,' 9'75 : L *,33&(;) L 45,'
=&),(4&?,' (',845,)'38;,'7&3''),)6'2(1,)4&8(' *&)81,'5,)<
3,*9'7&3'45,'*,?848:&4,' ;&2?54,)' 9' 8,4) '?),&4.?)&(;3 ('
9/ 3: ' F &4,)'=&4)8&,MG'&(;'45&4'58?5.3=8)84,;'&(;'
58?5.5&(;,;'*&;6'75 '7&3'(4' 9'&';83= 3848 ('4 '9,,*45&4'
5,)'3,O'7&3'&(6'A&)'4 '5,)' 7('8(5,)84&(1,' 9'45,'9&:8*6'
5 (2)3'5&;'38(1,'45,';,=&)4:.,' 9'45,' ,;818'&(;' 9'5,)'
523A&(;A,,('A,5&'8(?'8('&' :&((,)'75815'5&;'&44)&14,;'
8(2 5'2(9&4 2)&A*,' A3,)'&48 (
J ;'3 (,)'5&;'45,' ,;818'=&*&1,'A,,('*,94',:=46'45&('
35,'5&;' 4)&(39,)),;'5,)'),38;,(1,'45845,)'&(;'?&45,),;'
&) 2(;'5,)'&'@(4' 9'45,'*,&;8(?':,(' 9'45,'F' 448:&48 G'
811 * ' &== (8'&(;'3 :,' 9'45,' 45,)3'7,),'F'83848(?'5,)'
45,),' &4'&**' 5 2)3 G' 3&63' &)1588' F'3 .'4*C&4' 45,),' 7&3'&'
T1 (34&(4'1 :8(?'&(;'? 8(?' 9'1848>,(3'&A 24' 45,'5 23,G'
75815':&;,' :215'4&*@'&(;'?&',')83,'4 '3:8C,)'323=818 (3

& : (?34' 45,' =, =*,' 0 &3' 45,' *&;6' *&)81,' &99,148(?' 4 ' 5 *;' R
1 : R4' 45,),' 8('45,' *;' =&*&1,'b 0 &3' 45&4' 5 23,' 4 ' A,' : &;,' W Y
(1,' &?&8('45,' 1,(4),' 9' 45,' 1846'b 811 * ' &== (8M' 75 '
5&;' A,,(' 15 3,(' B (9&* (8,),' 9)' (,' 6,&)' A6' 45,' B),&4'
2(18*'),1,8',;' :),' 45&(' (,' 7&)(8(? 45&4' 89' 5,' '&*2,;'
583' 7(' 3&9,46' 5,' 7 2*;' A,' *,33' 94,(' 3,,(' 1 : 8(?' &(;'
? 8(?'45) 2?5'45,' ;)3' 9'45,' &*&>> ' ,;818' F' 811 * G'
3&8;'&'9)8,(;'4 ' 58 :' (1,';2)8(?'45&4' =,)8 ;' F'6 2' 78*'*?,4'
6 2)3,*9'4)(' 4 ' =8,1,3' (,' 9'45,3,';&63'89'6 2'1 (48(2,' 4 ' 1
9),D2,(4'45&4' 5 23, G

215' A,8(?' 45,' 4, : =,)' 9' 45,' =2A*81' : 8(;' 4) >>8' '
75,('5,'),42)(,;'4 ' *),(1,' 7&3' &3' 583' A) 45,)' &332),3'
23' 7,*'),1,8',;'A6' 583' 9,** 7.(A*,3' 9' 45,'*8A,)&' =&)46M
A24' 7&3' * @,;'2= (' 7845' 2(8',)3&' 323=818 ('&(;'&',)38 5'
A6' 45,' A ;6' 9' 45,' =, =*,' 5,C',)6' 9&14' 8(;,,;' 9' 583'
348*' 34&(;8(?' 7,*' 7845' 45,' : , : A,)3' 9' 45,/F' C48 : &48'G'
7&3' 1&*12*&4,;'8(' 45,' 4, : =,)' 9' : 8(;'75815' 7&3')&=8;*6'
?&8(8(?' ?) 2(;'8(' 45,' 1846'4 ')28(' 583'),=24&48 (' :),'
1 : =*,4,*6' 7845' 45,' ?,(,)&' =2A*81' (;,)' 45,3,' 18)12 : <
34&(1,3' 45,' =)2;,(4' A&(@,)' * @8(?'(4' (*6'4 ' 45,' =),3,54'
1 (;848 (' 9' 458(?3'8('45,' 1846' A24' &*3 ' 4 ' 45,' 34) : 6' &(;'
',)6' ; 2A492*' 9242),' 75815' 7&3' A,9),' 84' H2;?,;' 45&4'
583' 783,34' 1 2)3,' 7 2*;' A,' 4 ' ,1*8=3,' 58 : 3,*9' ,(48),*6'9)'
&758*,' ,' 7845;),7' 45,),9),' 4 ' 583' A,&24892*' '8**&' 9'
,' ,*',' &(;'&94,)' &758*,' 4 '45,' 348*' 3&9,)' &(;J :),' ;834&(HM'
),48),:,(4' 9' 6 (3' &==,&)8(?'(' :),' (' 45,' 4) 2A* 23'
31,(,' 9' *),(48(,' 5834)6' 48*' &94,)' 45,' 98(&' 9&*' 9' 45,' J
*8A,)46' 9'583' 1 2(4)6 J' J
,)6' 35)4*6' &94,)' 45,' ,O=2*38 (' 9' 45,' ,;818' 75815'
5&;' A,,(' ,99,14,;' 8(' 45,' :&((,)' ;,31)8A,;' A6' 45,' 2(84,;'
9)1,' 9' 45,' (A*,3' &(;' 45,' =, =*,' 45,' 1 ('8148 (' 45&4

" <6' 36) 84 . 963 " <4=' 36) 83H8E26' :83663') 8;' E6' %,*<9' 96=:34E69 81'
26 . >1<' 4.' 1<6' ' 4%' 9%' 2' 42455,' #13,774 (' E;' 1<6' 536=6 . 1' G34163OF%3,)' G<4:<'
G,3H' =*:<' 5,314,.=' =^ E3)' 8' .6:6==83;' 5831' ,%' 1<6' >6 . 6382' <4=1A3;' ,%'
2,36 . :6' <8+6' E 6 ' ' 4 . :,35,38169' 4 . ' 1<6' 16D1

U ' # ' ' ' ' '

9) : ,)' 7 ,),' =* 448(?' 4 ' 42)(' 45,'),' *248 (' 75 **6' 4 ' 45,8)' 7(' &;'&(4&?,' 4 @' 1 : =*,4,' = 33,338 (' 9' 45,' =2A*81' : 8(;' F' 5,3,' 9,** 73G' 3&8;' 45,' = =2*&)')&4)3 L G84 83' &)158' 75 ' 4523' ?8',3' 45,' =845' 9' 45,' ;, : 1)&481'?)2 : A*8(?3' 75815' 7,),' &?84&48(?' 45,'=, =*, L ' F45,3,' (A*,3' &),' (4' 34)8'8(?' 9)' 9),,; :' 9' *89,' &(;' = =2*&)'? ',)(: ,(4' (4'&' A84' 9' 84Q 05&4'45,6'7&(4'83' 45,' 1 (1,(4)&48 (' 9'= 7,)'8(' &' 9,7' 5&(;3 L 45&4' 75815' 45,6' 1&**' 7845' 45,8)' B),,@' (&:,3' 45&4' 45,6'458(@'7,' ; ' (4' 2(;,)34&(;' &(' &)834 1)&16' 5,6'5&','(4'42)(,;' 24' 45,' ,;818' 8(');,)' 45&4' 7,' :&6' A,' 9),,' A24' (*6' 4 ' 3,)',' 45,8)' 7(' ?),&4(,33' 5,3,' :,(' 5&',' &3' 45,' =) ',)A' 3&63' 5 (,6'8(' 45,8)' : 2453' A24' 45,6' @,,=' 45,')&>)'),&;6'&4' 45,8)' ?8);*,' 05&4'83' 4583' A &);' 9' &(' 52(;),;' &(;' 47,(46' (?,(' 75815' 45,6' 5&',' &== 8(4,;' 45,)' 45&(' 45,' *8?&)156' 75815' 45,6' 5&',' &*7&63' A,,(' ;)8'8(?' &4b' 05' ; ,3' (4' @(7' 45&4' 45,' :&(' 75 ' 7 (P4' 5&',' 6 2' &3' &(' ,D2&*' &(;' 1 :=,,)' 7&(43' 4 ' 5&',' 6 2' 583' 3*&',' Ld 4' 83' D284,' 1*,&)' 45&4' 89' 7,' 7 2*;' A,' :,(' &(;' (4' 45,' ==),33,;' 32AH,143' 9' 45),,' 52(;),;' 46)&(43' 8(34,&;' 9' (,' 7,' :234' A,' '8?8*&(4' &(;' :&)@' 7,** 75&4' 45,6' &),' ; 8(?' &(;' (4' &44,(;'4 ' 75&4' 45,6' 3&6 G

,),' 7,' 5&',' 45,' *;' ,',).),12))8(?' :834&@,' 75815' 3 ' 9&4&**6' 3,4' 45,' = =2*&48 (3' 9' :,;8:'&*' 4&*6' (' &' 9&*3,' 4)&1@' 8(' 45,8)' D2,34' 9' *8A,)46M &(;' 75815' ; 7(' 4 ' 45,' 9&8*2),' 9' 45,' *&34' 9' 45,8)' :&(6''8 *,(4' 34)2??*,3' 4 ' ,31&=,' 9) :' A (;&?,' 5&3' ,',)' =),',(4,;' 45,' @8(;),;')&1,' 4 ' 45,' ( )45' 9' 45,' *=3' 9) :' :&@8(?' &(6'=) ?),33' 4 7&);3' 3 18&*' 9),,; :' 4' 83' 4*8,' :834&@,' 9',D2&*846' 9)'*8A,)46' F' 05 ' ; ,3' (4' @(7 ' 45&4' 45,' :&(' 75 ' 78** (4' 5&',' 6 2' 9)' &' 1 :=,,)' 7&(43' 4 ' 5&',' 6 2' &3' &' 3*&', G' 3&8;' 45,' *),(48(,' ;, : 1)&43' (;' 5,),' *8,3' 45,') 4' 9' 45,',)8P)' 4' 7&3' (4' ? ;' ? ',)(: ,(4' 45&4' 45,3,' :,(' 7&(4,;' &(;' 7,),' ;,4,) : 8(,;' 4 ' 5&',' A24' &' 35&),' 8(' 45,' =)8'8*,?,' 9' ? ',)(< 8(?'ML = 4' 45&4' 45,' ? ',)(: ,(4' 35 2*;' A,' 3 ' 15,1@,;' &(;

),(;,),;'),3= (38A*,' &3' 4 ' 3,12),' 4A,' 1,33&48 (' 9' &A23,3' W Y
&;'&(4&?, 23' 4 ' 45,' ? ',)( )3' A24' 45&4' 3215' &;'&(4&?,3'
35 2*;' A,' .35&),;' &: (?' &' :),' *&)?,*6' 1 (34824,;'
*8?&)156 L &(' *8?&)156' 348**' 84' : 234' A,' &*7&63'),: ,:<
A,),;' ',',(' 89' 45,'= 7,)' 7,),' 35&),;' A6' ,',)6' 8(5&A84&(4'
9' *),(1,M' 9)' 45,),' 7&3' (' D2,348 (')' 8;,&' &: (?'
45 3,' :2(818=&** &)834 1)&43' 9' ?)&(48(?.'&(6' :,&32),' 9'
= *8481&** 9),,; :' 4 ' 45,8)',O4)&.:2)&** 32AH,143'ML (4' 45&4'
,',)6' 8(;8'8;2&** 35 2*;'&14' 8(' &11);&(1,' 7845' 45,' ;814&4,3'
9' 583' 8(;8'8;2&** 78**' 4 ' 45,' 24: 34' ,O4,(4' 1 :=&48A*,' 7845'
45,' *8@,' ,O,)183,' 9')8?54' A6' 583' (,8?5A 2)M A24' 45&4' '
:215' *&)?,)' (2:A,)' &** =,)5&=3' 9' 45,' 8(5&A84&(43' 9'
*),(1,' 35 2*;'8(' &' 1)=)&4,' 1&=&1846',(H 6' 45,'=)8'8*,?,'
9' 46)&((8>8(?' ',)' ,&15' 8(' 583' 8(;8'8;2&** 1&=&1846' &3'
',)' 45,' ;839)&(1583,;'= =2*&48 (' 9' 45,' 1 2(4)6' ;834)8143'
&(;'32AH,14' 4 7(3

(' 4583' 4,:=,)' 9' 45,' 1 : : (&*46' F' 4),&3 ('G' 7&3' 45,'
&1123&48 (' *8?54*6' 1 (1,8',;' &(;'),&;8*6' A&(;8,;' &A 24'
),3=,148(?' 4583' &(;' 45,' 45,)' 9' 45,' F' 448:&48'G' 158,93' 9'
45,'),' *248 (' 9' 4),&3 (' 4 ' 45,'= =2*&)' 1&23,' &3' 84' 7&3'
2(;,)34 ;' A6' 45,' =, =*,' 45,6' 7,),' (' ; 2A4' ?28*46'
,',)6':&(' 9' 45,:' 5,),' 83' (' D2,348 (' 75&4,',)' A24'
45&4' 45,' 8(4,(48 (' 9' 45,' 75 *,' =&)46' 9' 45,' F' 448:&48'G'
7&3' &3' 45,'= =2*&)' *,&;,)3' &33,)4,;' 4 ' @,,=' 8(' 45,8)' 7('
5&(;3' &3' 1* 3,*6' &3' = 338A*,' &** 45&4' = 7,)' &(;' 8(9*2,(1,' 8('
45,' 34&4,' 75815' 45,6' 5&;' 3211,,;,;' 8(' 4&@8(?' 9) :' 45,'
,;818' 24' &3' = =2*&)' 323=818 (' &*7&63' = 8(43' 4 ' 45,'
;,*8(D2,(16' 75815' 84' : 34' 5&4,3' &(;' ;),&;3')&45,)' 45&('
4 ' 45&4' 75815' 83' : 34' * ?81&**6' 1 (3834,(4' 7845'45,'=, =*,P3'
7(' 45,)6' 9' 45,' ;,38),3' &(;' =*&(3' 9' 45,' 323=,14,;'
1 **238 (' 7845' 45,' ,;818' 7&3' 45,' 1)8:,' 9)' 75815' 45,'
= =2*&)' ,6,' 7&3' : 34' '8?8*&(4*6' (' 45,' 7&415' &(;' 75815'
: 34' '8 *,(4*6',O184,;' 45,'= =2*&)' 7)&45

5,),' 5&;' (,',)' A,,(' 5 7,',)' &(6' 1)8383' 8(' 45,' 5834)6'
9' *),(1,' &4' 75815' 45&4' *&)?,)' @(7*,;?,' 9' 45,'J: ',.

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W O Y : ,(43‘ &(;‘ 8(4,(48 (3‘ 9‘ 9),8?(‘ 3 ‘,),8?(3‘ &;;‘ 45&4‘ H234,)‘ &==),18&48 (‘ 9‘ 45,‘ 7,8?54‘ 9‘ 45,‘ 9)1,3‘ 8(‘ &148 (‘ 45) 2?5 24‘ 2) =,‘ 7 5 81*8‘ 7&3‘ 9&)‘ :),‘ *8@,*6J4 =‘ A,‘ 9=2(;‘ & : (?‘ 45,‘ 448)5&48‘ 45&(‘ & : (?‘ 45,8)‘ == (,(43‘ 7&3‘ :),‘ &A3 *24,*6‘ (,,;,;‘ 9)‘ 45,‘ 3&89,46‘ 9‘ 45,‘ 1846‘ 5,‘ = 3848 (‘ 9‘ 45,‘ : : (7,&*45‘ 7&3‘ 8(‘ &(6‘ 1&3,‘ &‘ : 34‘ ;894812*4‘ &(;‘ ;&(.‘ ?,) 23‘ (,‘ =‘ 4 ‘ 45,‘ 48 : ,‘ 9‘ 45,‘),1,(4‘),‘ *248 (‘ 75815‘ 5&;‘ 3 ‘ 32;9*,(*6‘ 3,‘,),;‘ 45,‘ 1 ((,148 (‘ A,47,,(‘ *),(1,‘ &(;‘ 45,‘ ,;818‘ 45,‘ ,=2A*81‘ 5&;‘ A,,(‘ ;)&??,;‘ A6‘ *,:,(4‘ 45) 2?5‘ & ‘ 45,‘ :&>,3‘ 9‘ 583‘ 4)42 23‘ &(;‘ ,‘,).358948(?‘ = *816‘ 4‘ 5&;‘ 9 2(;‘ 843,*9‘ &*4 ?,45,)‘ 7845 24‘ 78**‘)‘ &14‘ 9‘ 843‘ 7(‘ (7‘ 45,‘ &**6‘ 9‘ 45,‘ :=,))‘ &(;‘ (7‘ &?&8(‘ 9‘ 45,‘),(15‘ @8(?‘ 7845‘ &‘ =,)=*,O8(?‘)&=8;846‘ 9‘ &*4,)(&48 (‘ ‘ *,:,(4P3‘ *&4,34‘ : ‘,‘ 5&;‘ A,,(‘ 9):&**6‘ 4 ‘ :&@,‘ &**8&(1,‘ 7845‘ 45,‘ :=,))‘ ,‘,(‘ &4‘ 45,‘ ‘,)6‘ : :,(4‘ 45&4‘ 45,‘ :=,))P3‘ 4) =3‘ 7,),‘ (‘ 45,‘ = 8(4‘ 9‘ 3&1@8(?‘ 583‘ 1846‘ &(;‘ :&@8(?‘ 58 :‘ &‘ =)83 (,)‘ 583‘ F &**8&(1,G‘ 34)&(?,‘ &3‘ 7,),‘ 45,‘ ;,,;3‘ 45&4‘ 8(&2?2)&4,;‘ 84‘ 7&3‘ 9‘ 1 2)3,‘ ,D28< '&*,(4‘ 4 ‘ :&@8(?‘ 45,‘),(15‘ @8(?‘ *,:,(4P3‘ ,(,:6‘ 5,‘ *),(48(,3‘ 5&;‘ A,,(‘ &3‘ 45,‘ =,P3‘ 32AH,143‘ 2=‘ 4 ‘ 45,‘ : :,(4‘ 9‘ 4583‘ 32;;,(‘ 15&(?,‘ 9‘ 45,‘ &=&** = *816‘ 8(‘ *,&?2,‘ 7845‘)&(1,‘ &(;‘ 45,‘ ,(,48&(3‘ &?&8(34‘ 45,‘ :=,))‘ 7‘ *,:,(4‘ 7&3‘ 45,‘ : 34‘ ;),&;,;‘ &(;‘ : 34‘ ;&(?,) 23‘ ,(,:6‘ 9‘ *),(1,M 758*,‘ 84‘ 7&3‘ ;899812*4‘ 4 ‘ 3&6‘ '5815‘ 9‘ 45,‘ 47 ‘ ?),&4‘ = 7,)3‘ 7&3‘ : 34‘ 45,‘ 9)8,(;‘)‘ : 34 45,‘ ,(,:6‘ 9‘ 45,‘ =,

(‘ 4583‘ 34)&(?,‘ &(;‘ =2>>*8(?‘ 34&4,‘ 9‘ :&44,)3‘ 75&4‘ *8(,‘ 9‘ = *816‘ 7&3‘ *),(1,‘ 4 ‘ &; =4‘ 9)‘ 5,)‘ 7(‘ 3&9,46‘ &(;‘ 45,‘ =),3,)‘ &48 (‘ 9‘ 5,)‘ 8(;,=,(;,(1,b‘ 5,‘ D2,348 (‘ 7&3‘ &‘ 3299818,(4*6‘,:A&))&338(?‘ (,‘ 0 &3‘ 45,‘ *,&?2,‘ 7845‘)&(1,‘ 75815‘ 7&3‘ 8(‘,O834,(1,‘ 2=‘ 4 ‘ 45,‘ : :,(4‘ 9‘ 45,‘),‘ *248 (‘ 45&4‘ 3,=&)&4,;‘ *),(1,‘ 9) :‘ *,:,(4‘)‘ &4‘ &** ,‘,(43‘ 2=‘ 4 ‘ 45,‘ : :,(4J '5,(‘ 45,‘ =,‘ A) @,‘ 84‘ A6‘ 583‘ 32;;,(*6.‘ :&;,‘ &**8&(1,‘ 7845‘ 45,‘ :=,))P3‘ '81,) 6‘ 4 ‘ A,‘ :&8(4&8(,;‘ 9)‘ 45,‘ 3&@,‘ 9‘ =) 4,148 (‘ 9) :‘ 45,‘ *&7*,33‘ &):6‘ &4‘ 45&4

: : ,(4 ,(?&?,;8(=8**&?8(? : ,bd)7&3 *),(1,4 3,,@&;,9,(1,&?&8(34 45,',(?,&(1, 9 45, =,&(;45, ,;81,&(=&)46A64;*&(?45,38;, 9 45, :=,))75 7&3 4 A,32== 3,C 4 A,45, =,P ,(,:6;,3=84,45, 4,):3),1,(4*6 :&;,A,47,,(45, *6 &45,)&(;45, 81,) 6 8(&3:215&3 4*|,9):,)7&3 5,*;8(;:((1,A6 58:bd 4 7 2*;3,,:4 A,1*,&)45&4 45,3&9,34=*816 9) *),(1,7 2*;A,4 38;,8(&(6 1&3, '845 45&4 (, 9 45, 47 ?),&4 = 7,)3 75815.7&3 45, =,P3 ,(,:6 24 84 7&3 ,O4),:,*6 ;899812*4 4 3&6 75815 4583 7&3 &(;348** :),75815 9 45,47 7&3.: 34 *8@,*6 4 A,3 &: (45 *&4,)

811 *A &==(8 8(&*(?3=,,15 =),3,)',;A6 45, 5834)8&(&)158 8(45,458);A @ 9 583 5834)6 15&)&1< 4,)83481&**6 &;'1&4,;& :8;;*,1 2)3, 5,), 83 ,',)6),&3 (4 A,*8,',45&4 811 *A &==(8 7&3&(5 (,34 :&(&3 :,(7,(4 8(45&4 48:,&(;1 2(4)6 &(;45&4 5,7&3 &(O8 23 4 4&@,75&4 4 45,A,34 9 583 H2;?:,(4 5,A,< *8,',;4 A,45,3&9,34 1 2)3,9)583 1 2(4)6 24 5,7&3 ,33,(48&**6 & 7,&@ :&(M F(4 45,A)&',34 :&(8(45, 7)*;G 3&63 &)158 &(;*8&A*,(4 (*6 4 A,9)8?54,(,; A24 4 A, ',) =,)32&;,;Y8(4 '&18**&48 (')28(23 4 45, =*816 75815 5,7835,; 4 32==)4

,2)?,;45,B),&4 2(18** 4 9)A,&)9) :1 : :8448(? 45,:3,*',3 4 &(&**8&(1,7845 ,845,) 9 45, =7,)3 75815 ;8'8;,;: =,&(;7 2*;;2A4*,33 35)4*6 A, &?&8(8(&):3 ,7 2*;5&',5&;45, ,=2A*81 1&248 23*6 &A34&8(&4 45,3&:,48:,9) :&2?54 45&4 1 2*;?8',2:A)&?,4 ,845,) =&)46&(;:,&(48:, :&@, 3215 &148',23, 9 45, =),3,(4 : :,(4&)6 *2** 8(45, 2) =,&(4,:=,34 A6 34),(?45,(8(? 843,*9 7845 &):3 &(;4) =3 &3 4 A,1 :,&(&**6 7)45 A8;;8(? 9) A6 ,845,) 9 45, 1 (4,(;8(? =&)48,3 ,=8(4,; 24 H234*6 ,(2?5 4 45, 1848>,(3 75 3,,:4 5&',9):,;&',)6 5875 8;,& 9 45, (?*835 @8(?P3 = 7,) &(; 9 45, &33834&(1,4 A, ,O=,14,;9) :

! W Y 58 : ' 45,' ',)6' 3 : &*#' 9 2(;&48,5' 75815' ,O834,;' 9)' &(6' 3215C5 =,' (;' 84' 83' 12)8 23' 4 ' 98(;' 45,' F';8'83 3')5,')84&((3G' 348*#' 3= @,(' 9' 8(' :215' 45,' 3&:,' 4,):3' &3' &== (8P3' &(1,34)3' 7 2*;' 5&',' 23,;' 3 :,' 9894,,(' 52(;),;' 6,&)3' A,9),' ' &*#' 5 =,3' 9' &33834&(1,' 9) :' 3215' &' D2&)4,) G' 3&63' 5,' F '&(37,)' 8(' 45,' 98)34' =*&1,' 45&4 ',(' 32== 38(?' 45,' $8(?' 9' (?*&(;' 7835,; 4 ' 5,*=' 23 ' 5,' 83' 3 ' 9&)' 99' &(;' 3 ' 3,=&)&4,;' (4' (*6' 9) :' 4&*6 ' A24' 9) :' 45,' 75 *,' 7)*;' 45&4' 5,' 1 2*;' 5&',' (' = 7,)' 9' ; 8(?' 3 M' &(;' 8(' 45,' (,O4' =*&1,' 45&4' 45,' $8(?' 9' (?*&(;' 1&),3' &3' :215' 9)' A82' *8A,)46' &3' 7,' 1&),' 9)' 583 G' ' 3' 4 ')&(183' &(;' &(' &**8&(1,' 7845' 58 : ' 5,' &)?2,3 ' 45&4' &332),;*6' :),' 7&3' 4 ' A,' 9,&),;' 9) :' 45,' &(?,)' 9' 45,' :=,))' 35 2*;' *),(1,' 4&@,' =&)4' &?&8(34' 58 : ' 8(' &' D2&)),*' 75815' 8(' (' 783,' 1 (1,)(,;' 5,)' 45&(' 1 2*;' A,' 5 =,;' 9) :' 45,' $8(?' 9')&(1,' &44,(48',' (*6' 4 ' 583' 7(' 8(4,),343' 8(&**6 ' 5,' &;;),33,;' 58 : 3,*9' 4 ' 45 3,' 75 ' 45 2?54' 45&4' *),(1,' : 8?54' A,' 8(' ;&(?,)' 9' &(' &44&1@' 9) :' 45,' 9)1,3' 9' 45,' 4&*8&(' *,&?2,' 2(;,)')&(1,31 ' &)8&';,**&' ',),' 89' 35,' 35 2*;' ;,1*8(,' 4 '),:&8(' &' :,:A,)' 9' 45,' 1 (9,;,)&48 (' 583' &):6 ' &3' 5&3' A,,(' 3,,(' 5&;' 8(' 4)245' ; (,' A24' *844*,' 4' 5&;' 8(;,,;' 34 ;' A,47,,(' *),(1,' &(;' 45,' 8('&;8(?' &):6' 2(;,)' 2)A (' A24' 5&;' (4' A,,(' 1&**,;' 2= (' 4 ' 34)8@,' &' A* 7' 8(' 5,)' ;,9,(1,' A,1&23,' 45,' 8('&;,)3' 5&;' : ',;' 99' 3 2457&);3' 4 7&);3' :,' 75815' *&44,)' 1846' 45,' 9)1,3' 9' 45,'*,&?2,' 5&;' :&;,' ('&44,:=4' 4 '=) 4,14' ,845,)' A,9),')' &94,)' 45,' 9&4&*' !45' 9' &6' 5,' 5834)8&(' ,?(8J' ;,1*&),3' 45&4' 45,' 3=,14&1*,' 9' 45,8).244,)' 8(&148'846' 7& ' 45,' 7)34' &??)&'&48 (' 9' 45,' 3299,)8(?3' 9' 45,' :&(3' &(;' 9' 45,' 2(5&==6' =,P3' :83,)6' ;2)8(?' 583' 8:=)83 (:,(4' 8(' 45,' 1&34*,' 9' 4' (?,* ' (;,31)8A&A*,' 5)))3' 7,),' A,8(?' =,)=,4)&4,;' 8(' :,' 5,' 3 *;8,)6' 75 ' 112=8,;' 45,' 1846' ,(,)'&4,;' A6' 7&** 78(?' 8(' ,',)6' *&7*,33' ,O1,33' &(;

;83)?&(8>,;' A6' 4*8,' 4 4&8'&A3,(1,' 9' &** ;8318=*8(,' A&;' A,,(' *844*,' 1&=&A*,' 9'),38348(?' &(' &44&1@' ,4' 45,' 4&*8&(' &):6' 458)46' 45 23&(;' 34) (?' A,38;,3' &)48**,)6' &(;' 45),,' 45 23&(;' 1&'&*)6' &(;' 7,** 32==*8,;' 7845' &** 45,' &==&)&423' 9' 7&)' 5&;' :&;,' (4' 45,' 3:&**,34' &44,:=4' 4'),*8,',' 45,' 1846M' A24' &94,) : 1@8(?' 45,' 5 =,3' 9' 45,' 2(9)42(&4,' *,:,(4' &(;' 583' :83,)&A*,' 32AH,143' A6' 5 ',)8(?' (' 45,' (,8?5A 2)8(?' 58 3' 9)' &' : (45' D28,4*6' : ',;' 9*' &4' 45,' ,(;' 9' 45&4' 48:,' &(;'*,94' 45,' (4899' &(;' :,' 4' 45,8)' 9&4,')&(1,31' &)8&';,**&' ',),' 45,8)'*,&;,)' 5&;' 45,'),=24&48 (' 9' &'A)&',' :&(' &(;' &' 3@8*92*' ?,(,)&*' 4' 7&3' 5 7,',)' 5&);*6',)5&=3' 4' A,',O=,14,;' 45&4' &' ,**&' ',),' 35 88*;' A,' ',)6',&)(,34' 8(' 583' ,99)43' 4' 3211 2)' &' ,;818' 8(' 583' 5,,;' 5,' 8(H2)6';(,' 58:' A6' ,' %' 8(' 9)18A*6' ;83= 33,338(?' 58:' 9' 583' 2156' 9' E)A8(' 8(');,)' 4' A,34 7' 84' (' 45&4' =,P3' (,=5,7'),(>' 7&3' 4' ?) 33' &(;' 4'),1,(4' 4' A,',&38*6' 9)? 44,(')' 9)?8',(' 24' *,4' 583' : 48',3' 9)' 8(&148 (' 5&',' A,,(' 75&4' 45,6' :&6' 84' 83' 8:= 338A*,' 4'),?&);' 583' 1 (;214' 2= (' 4583' 11&38 (' ,845,)' &3' &' 3=*;8,)' &3' &' =&4)8 4')' &3' &' :&(' 7845 24'),=) A&48 ((;',',(' *,:,(4P3' ,(,:8,3' 8(' *),(1,' 3,,:' 4' 5&',' 9,*4' 45&4' &(' 4&*8&(' ?,(,)&** 75 1 2*;' * @' 1&*:*6' (' 758*,' &(' 4&*8&(' 1846' &(;' 45&4' 1846' :,' 7&3' A,8(?'=*2(;,),;' &(;' 24)&?,;' A6' A&)A&)8&(3' 5,*;' 24' &3' *844*,' 8(;21,:,(4' 4' &(6' =&)46' 4' 4)234' 4' 58:' 9)' =) 4,148 (' &3' 4' 9,&)' 583' 5 348*846' &== (8','8;,(4*6'45 2?54'45&4'583',O4)&);8(&)6' 8(&148 (' 5&;' A,,(' 1&23,;' A6' :,),' 1 7&);81,

F' 3' 89 G' 5,' 1)8,3 J' ,' 84' 7,),' (4' 7,** @(7(' 45&4' 45,3,' 4) =3' &),' :),' 4,))8A*,' 4' =,&3&(43' 45&(' 4' 3 *;8,)3' &(;' &),' A,44,)' 3@8**,;' 8(') AA8(?' 9&):3' 45&(' 8(' 4&@8(?' 9)<4),33,3' Q *&'Z' 7,' (4' 3,9,(' 45,:'),&;8,)' 9&)' 4' =*2(;,)' &(;' ;,' 2)' 45,' 4 7(3' 75815'),1,8',' 45,:' 45&(' 4' &33&2*4' &(;' 4&@,' 45 3,' 75815'),3834' 45,:' Ib &',' 45,6' (4' =) ',;

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45, : 3,*',3 8(& 7); (,845,) 78**8(? 4 ; ,9,(; 45,8) 9)8,(;3 ( ) &5*,4 8(H2),45,8) ,(, : 8,3bG

5,),1&('5,*844*,; 2A4 45&4 45,*8(, 9 = *816 2)?,; ('45,' ,=2A*81 A6 &== (8 7&3 2= ('45,75 *,45,A,34 &(;783,34 45&4 1 2*;55',A,,('&; =4,;A6 45,: 5, 1848>,(3 *834,(,;4 583 3=,,15 7845 &44,(48 ('&(;&4 843 1 (1*238 (' ?&',58 :45,8) &==*&23,M L A24),1);,;.45,8) ' 4,3 9) 583 == (,(43 (;84 7&3 ;,4,)(882,;4 '),(,7 45,*,&?2,7845)&(183 &(;4 ;,96 45, :=,)) 5&4 ' 4,3,&*,;45,9&4, 9 *),(1,

4 45&4 45,),83 &(6 ? ;'),&3 (4 32== 3,45&4 & 1 (4)&)6 ;,1838 (2= (45&4 11&38 ( ) 8(;,,;&(6 *8(, 9 1 (;214 75815 1 2*;5&',A,,(&; =4,;7 2*;5&',=,)< :&(,(4*6 3,12),;*),(48(,*8A,)46 &(;8(;,=,(;,(1, 4 =,)835,;8(;,,;A6 45,5&(; 9 5&)*,3 8(=2)32&(1, 9 45,1 (;848 (3 9 45,)8?54) 6&* A&8?&8(:&;,A,47,,(58:&(; *,:,(4 5, :=,))5&;&I=)8(18=*,4 1&))6 24 5, =,'5&;&'',(?,&(1,'4 '?)&4896 45'5&;'4 '98(; =)8(1,*6 &(;F5 (2)&A*,G = 3848 (3 9) 45,8) 158*;),(M 45,9) :,) 9) 583 A&34&);; &2?54,) J 75 ' 7&3 4 A, ;215,33 &(;45,'*&44,)9) 583 A&34&);3 (' 75 ' 7&3 4A A, ;2@, 9 45,3&1)8981,;1846) 45,3&@, 9 45,3, : 48',3 *),(1, 7&3 A,38,?,; &(; 4&@,(24 7 2*;45, 9)< A,&)&(1, 9 45,3, 8:=,)8&* &(;=)8,34*6 46)&(43 5&',=,)< :&(,(4*6 15&(?,;843 ;,348(8,3 0 &3 45,), &4 45&4 48:, &(6 = 338A8*846 9 &7,**.);,),;9),,' ? ',)(:,(4 8(' * <),(1,' 8;45,4 A,')(4 4 'A,' &(&48 (' 9 9),,:,(' 5&(?4),:A*8(?8(' 45,' 31&*,' 758*,' &== (8 5&)&(?2,;'&(; 45,' *),(48(,3 &==*&2;,;' (,' =8(8 (' &(;' ' 4,;9) &(45,)b

' <6) 84.5,4.1 4. 1<4= 4.%8),*= E83>84. :,.:2*969 E61G66. 26B) 6.1 O 8.9 <8326= O 81 83:62,.8 ,.1<6 X1< ,% T*.6 8.9 3814%469 E;1<,=6 5,16.1816= 4. 563=,.81 ,2,>.8 ,.1<6%,22,G4.> 1< ,% ,+6) E63 W X G8= 1<81 83>8361 1<6 4226>414) 816 98*><163 ,% 1<6) 563,3 =<,*29) 833;26) 6.1@= m53,E8E26I =,. 26==8.93,

5, J342 ; , (4' 9' 45 ,8)' 5834)6' 78**' =) A&A*6' 9, ,*' 58 : 3, *9' 1 : =, **, ;' 4 ' 45 ,' 1 (1*238 (' 45&4' 45,),' 7&3' (' 3215' = 338< A8*846' 8(' 45 ,' 1&3, ' 8'8(, ,' 783; : ' 843, *9 ' 7 ,' &),' 4&2?54' 1 2*;' =) : 83,' 45,' =), 3,)'&48 (' 9' &' 1 : : 2(846' (*6' (' 45, ' 1 (;848 (' 45&4' &' 1,)4&8(' ?8', (' : 8(8 : 2 : ' 9' 52 : &(' 7)45' 1 2*;' A,' 9 2(; 8(' 84' (;' 84' : &6' A,' ',)6' 3&9, *6' &332 : , ;' 45&4 (' 1 : A8(&48 (' 9' 18)12 : 34&(1,3' 78**' , ',)' A,' 1 (4)8', ;' A6' 52 : &(' 784' 3 ' 3@8*92**6' &))&(?, ; ')' 3 ' 9)42(&4, *6' 9&**< 8(?' 24' &3' 4 ' &11 : =*835' 45&4'), 32*4' 75,),' 45&4'), D28), , ;' 1 (;848 (' 83' (4' 1 : =*8, ;' 7845

*), (1,' 5&;' (4' &3' 6, 4' 2(; ,)? (,' 45&4' * (?' 1 2)3,' 9' =2)= 3, ;' &(;' 1&*12*&4, ;' ; , :)&*8>&48 (' 2(; ,)' 843' , ;81, &(' =)8(1,3' &(;' 9' ; , =), 338(?' &(;' *, &; , (' ; , 3= 483 : ' 2(; ,)' 45 3, J' 9' 45,' 5 23,' 9'))&8(, ' 75815' 83'), &3 (&A*6' , (2?5'), 9,)), , ;' 4 ' &3' 45, ' , O1238(?' 1&23,' 9' 45,' 8(1&=&1848, 3' &(;' 35)41 : 8(?3' 9' 5,)' =), 3, (4' ?, (,)&48 (' 9' 1848>, (3' 5,' ;&63' 9' 5,)' 9), , ; : ' 7,),' (4' 6, 4' 3 ' ;834&(4' 8(' 45,' =&34' &3' 4 ' ?8', ') : ' 9)' 46)&((6P3' , ',)'), &; 6' =*, &' 45&4' 3*&',)6' 5&;' 9844, ;' 45, : ' 4 ' A,' (*6' 3*&', 3' , 4' , ', (' 45, (' 758*,' & *), (48(,' 34&4, 3 : &(' 15&)&14,)83, ;' &(' 4&*8&(' &) : 6' 8(' 45,' A844,)' *&(?2&?,' D2 4, ;' &A ', ' & *), (48(,' 1 (4, : < =)&)6' 5834)8&(' 3=, &@3' &3' 9 ** 73' 9' 583' 1 2(4)6P3' 34&4, 3< : , (' &(;' =) 3=, 143

F' (' &'), =2A*8 '8**.); ,), ;' &(;' 1))2=4' 4 ' 45,' *&34' ; , ?), , ' &3' 45&4' 9' *), (1,' 7&3' 8(' 45 3,' ; &63 G' 3&63' &)158' F' 84' 83' (, &)*6' 8 : = 338A*,' 45&4' : , (' 9' 7)45' &(;' 1&=&, 846' 35 2*;' , ',)' &)83, ' 24' 89' &(6' 3215' 35 2*;' A,' =) ; 21, ; ' 45, 6' 78**' A,' 32AH, 14, ;' 4 ' 3215' &(' & : 2(4' 9' , ('6' &(;' =,)3, 1248 (' 45&4' , 845,)' 45, 8)' (&42), 3' 78**' A, 1 : ,' 15&(?, ;' &(;' , : A84< 4,), ;' A6' 8(; 8?(&48 (')' 45, 6' 78**C' A,' 9)1, ;' 8(4 ' , O8*, ')' 52(4, ;' 4 ' &' : 83,)&A*,' ; , &4*J' ' ' 45&4' 84' 7&3' &A 24' , D2&**6' 8 : = 338A*,' 9)&'), =2A*81' 3 ' ? ',)(, ;' 4 ' : &8(4&8(' 843, *9' &(;' 3211, , ; ' &3' 9)' &(' 244,)*6' 7), 1@, ;' 358=' 75, (

Z' 2G8 ;=' G41<' 1<6' <, . , *38E26' 8 . 9' 6+63F) 6) , 38<26' 6D : 6514, .' , %' 1<6' 364> .' , %' 6163' 6, 5, 29

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W ! Y A299,4,;' A6' '8 *,(4' &(;'1 (4)&)6' 78(;3'4 '),&15'843' 5&)A 2)' 8(' 3&9,46 G

(45,)'1 (4,:=)&)6' 7)84,) J' 3=,&@8(?' 9' 45,' *,?83*&< 48 (' 9' 45,' 3&:,' =,)8 ;' ;,1*&),3' 45&4' 45,'9 **6' 9' 84' 7&3' 3215' &3' 1 2*;' (*6' 5&',' A,,(' 1 :: 844,;' A6' :,(' 75 ' 5&;' * 34' 45,8)' 7843' A6' 45,' H2;?:,(4' 9' B ;

24' 5 7,',)' 4)2,' 84' :&6' A,' 45&4' 45,' 3 18&*' 1 (;848 (' 9' *),(1,' &4' 45,' =,)8 ;' 8(' D2,348 (' 7&3' 3215' &3' 4 ' 99,)' A24' 3:&**' =) A&A8*846' 9' &'=) 3=,) 23' 8332,' 4 ' 843'),(,7,;' &44,:=4' &4' 3,*9.? ',)(:,(4' ,',(' 2(;,)' 45,' : 34' 9&' 2)< &A*,' 18)12:34&(1,3' 84' 85234' A,' &;:844,;' 45&4' 45 3,' 7845' 75815' 84' 5&;' &142&**6' 4 ' 1 (4,(;' 7,),' 8(' (');8(&)6' ;,< ?),,' ;899812*4' &(;' ;83&34) 23' 5,' 3,12*&)' D2&)),*' A,47,,(' 45,' 8:=,)8&*' &(;' =&=&*' = 7,)' A6' 9&' 2)' 9' 75815'),(.' 48(,' 5A,)46' 5&;')83,(' &(;' 8(' &' 1,)4&8(') 2?5' 7&6' 5&;' 45)8',(' 7&3' &A 24' 4 ' 1 :,' 4 ' &(' ,(;M &(;' 45&4' 2(;,)' 18)12:34&(1,3' ,3=,18&**6' 2(9)42(&4,' 9)' *),(1,')'45,' (4899' 75 ' 7&3' &A 24' 4 ' 1* 3,' 4583' * (?' ;83&?),,:,(4' ;831 ',),;' &4' *&34' 4 ' A,' 9)' 45,' 8(4,),34' 9' (,845,)' = 4,(< 4&4,' 7&3' =),183,*6' (,' 75 ' 5&;' &' 1*&8:' [45 2?5' (4' &')8?54]' 4 ' &245)846' 8(' *),(1,' 5,' 9),8?(' = 516' (' 75815' 45,' 1846' 5&;' ;,4,):8(,;' :&;,')&(183' 45,8)' &**6' &(;' 5&)*,3' 45,8)',(,:6' 45,' (,' 32),' 4=' &A&(;(' 45,:' 45,' 98)34' 8(34&(4' 45&4' 84' 35 2*;' &==,&)' 4 ' 58:' 8(' 45,' *,&34' ;,?),,' 1 (',(8,(4' 4 ' ;' 3 M 45,' 45,)',D2&**6' 32),' (4' 4 ' 9)?,4' 45,' 99,(1,' 99,),;' 4 ' 58:' 5,' ,(,48&(3' 4 ' 75 ' 7,),' 8(1*2;,;' 8(' 45,' *,&?2,' &(;' 75 ' :8?54' 5&',' ;(,' :215' 35 7,;' 45,:3,*',3' 9) :' 45,' A,?8((8(?' ',)6' *844*,' 8(1*8(,;' 4 ' 8(12)' &(6' 9' 45,')83@' 45&4' &' :),' &148',' 32==)4' 9' 843' =) 9,33,;' AH,143' 7 2*;' 5&',' ,(4&8*,;' (' 45,:' 5,),' 7&3' *844*,' * ',' &4' &(6' 48:,' A,47,,(' 45,' 5&2?546' *8?&)156' 9' 45,' Z2,,(' 9' 45,' ;)8&481' &(;' 45,' 42)A2*,(4' A2)?5,)3' 9' *),(1,' 24' 84' 83' ',)6' 1*,&)' 45&4' (' 4583

11&38 (‘45,‘9) : ,)‘ 7845‘45,8)‘7 (4, ;‘3&?&1846‘ : 83; 2A4, ;‘ 9) :‘45,‘98)34‘45,‘2=35 4‘ 9‘45,‘*,&?2,‘ 7845‘)&(1,‘ &(;‘ 9‘ 45,‘ 34)2??*,‘ 8(‘ 75815‘ *),(1,‘ A6‘ 45,‘ ,O=2*38 (‘ 9‘ 45,‘ ,;818‘ 5&;‘ ,(?&?,;‘ 5,)3,*9‘ 5,‘ ?)&',‘ &(;‘),',),(;‘ 8?( )3‘ 9‘ 45,‘ ,(,48&(‘ ,(&4,‘ 7,),‘ 7&)(,;‘ A6‘ 4 ‘ @,,(‘ &(‘ 8(348(14‘ 9‘ 45,‘ &==) &158(?‘ 9&4,‘ 9‘ 45,‘ 9&**8(?‘ 5 23,‘ (4‘ 4 ‘ @,,=‘ 45, : 3,*',3‘ &4‘ &‘ 3&9,‘ ;834&(1,‘ 9) :‘45,‘ 7&**3

(‘45,‘ 45,)‘5&(;‘89‘45,‘ : : (7,&*45‘5&;‘ ,33&6,;‘4 ‘ : &@,‘&‘9)8,(;‘ 9‘ 5&)*,3‘ ‘45&4‘1 2)3,‘ 45 2?5‘84‘ : 8?54‘ 5&',‘ 3=&),;‘ 45,‘ 1846‘ 45&4‘ *&34‘ 9)284*,33‘ 34)2??*,‘ 7845‘843‘ &11 :=&(8:,(4‘ 9‘ :83,)6‘)28(‘A* ;35,;‘ &(;‘ ?)&;2&**6‘ 1* 38)8?.8(‘ ;,3=&8)‘ 7 2*;‘ (4‘ &3387,;*6‘ 5&',‘ &'&8*,;‘ 4 ‘ =),',(4‘45,‘ :242&**6‘&;'&(4&?, 23‘A&)?&8(‘34)21@‘A,47,,(‘ 45,‘ :=,))‘&(;‘ *,:,(4‘ 48**‘ *,33‘ 7 2*;‘ &(6‘ :,&32),‘ 9‘32A:8338 (‘4 ‘ *,:,(4‘ 5&',‘&'&8*,;‘4 ‘45&4‘,(;‘ 5,‘ AH,14‘45,‘ (4899‘5&;‘8(‘'8,7‘ 7&3‘1 (3834,(4‘45,‘3&:,‘ (7‘&3‘84‘,',)‘5&;‘A,,(M &(;‘45&4‘ AH,14 L C45,‘ ?),&4‘45,‘ =&)&: 2(4‘ AH,14‘ 9‘ 583‘*89,L 7&3‘,(48),*6‘&(;‘: 34‘3&483< 9&14)8*6‘ &44&8(,;‘ A6‘45,‘ &))&(?,:,(4‘8(‘D2,348 (‘ Q 45,‘= *816‘),1 : : ,(;,;‘ A6‘ &== (8‘ 7&3‘45,‘A,34 L C45,‘ (*6‘ (,‘45&4‘ 99,),;‘&‘35&; 7‘ 9‘5 =,‘ 24‘45,(‘9)‘45,‘ ,O,1248 (‘ 9‘84‘ 84‘ (,,;,,;‘ :&(6‘ '8)42,3‘ 75815‘45,‘ :< : (7,&*45‘5&;‘ (4‘ 4‘ (,,;,;‘ &A ',‘ & ‘2(8 (‘ :242&*‘ 1 (98;,(1,‘&(;‘&‘ :215‘*&)?,)‘ :,&32),‘ 9‘3,*9.),*8&(1,‘45&(‘ 45,‘ *),(48(,3‘= 33,33,;‘ 4‘ (,,;,,;‘ &*3 ‘ 58?5‘1 2)&?,‘ &(;‘&‘ ;,4,):8(&48 (‘4 ‘3&1)8981,‘&**‘)&45,)‘45&(‘68,*;‘ 24‘ 8(‘45,‘9&1,‘ 9‘&**‘45&4‘ *),(1,‘ ;8;‘&(;‘3299,),;‘ ;2)8(?‘45,‘ &? (6‘ 9‘5,)‘*&34‘34)2??*,‘84‘7 2*;‘(4‘A,‘9&5‘4 ‘,(2:,<)&4,‘45,3,‘&: (?‘45,‘ '8)42,3‘75815‘35,‘5&;‘(4‘ 5,‘ ;8;‘ 35 7‘&(‘,O&:=*,‘ 9‘5,) 83:‘&(;‘ 9‘2(A,(;8(?‘),3 *248 (‘ 2(;,)‘ ,O4),:,‘ 3299,)8(?‘45&4‘ :,)84,;‘&‘A,44,)‘9&4,‘ 24‘ 84‘7&3‘45,(‘4 ‘*&4,M &(;‘7&3‘ 9‘ (‘&'&8*‘ :&8(*6‘A,1&23,‘ ,',(‘&4‘45&4‘,O4),:,‘ : : ,(4‘35,‘1 2*;‘(4‘*,&)(‘9) :‘&**‘ 5,)‘=&34‘,O=,)8,(1,‘4 ‘4)234‘45,‘32=),:,‘= 7,)‘&(;‘ &245 .

)846'4 ' (,' 9'5,)' 7 (' 1848>,(3')&45,)'45&('4 ' &'58),*8(?'&(;'
4)&84) 23' 34)&(?,)

,&(48 : ,' 45,'&3=,14' 9' :&44,)3' 78458(' 45,' 7&**3' A,?&('
4 'A,' , ',('6,4' :),'?* :6'45&(' 45,'=) 3=,14' 9'45,'= *8<
481&*' 5)8> (' 5,'=*&?2,' A) @,' 24' 8(' 45,' 32 : : ,)' 9'
#N ' &(;')&=8;*6'8(1),&3,;' 4 ' &(' &*&) :8(?' ;,?),,' ('
,( ) : 23' 9,348'&*'8(' 5 (2)' 9' 45,' *6' 8)?8(' 5&;'A,,('
)?&(83,;'8(' *),(1,'8(' 45,'E2(,' 9'45&4'6,&)'&3'&'315, : ,'
9)' =,)32&;8(?' 5,)' 4 ' 5,*=' 45,' : : (7,&*45' 24' 9'843'
= *8481&*' 4) 2A*,3' 5,' (&)) 7'34),,43' 9'45,'1846' 75 **6'
2(;)&8(,;'&(;' ',)6'8 : =,)9,14*6' ',(48*&4,;' 7,),' =&1@,;' ('
&'A2)(8(?';&6'8('E2(,'7845'&'1* 3,*6.7,;?,;'45) (?'A,(4'
(' :8O8(?'& : 23, : ,(4' 7845';,' 48 (' 8('45,' :&((,)' 232&*'
7845'45,'=*,&32),.* '8(?'= =2*&48 (3' 9'45,' 245' ('45,8)'
;&63' 9'),*8?8 23' A3,)'&(1,' (;'45,),'7,),'(4'7&(48(?'
1848>,(3' 8)),*8?8 23' ,(2?5'4 ' &44)8A24,' 45,' 3=),&;' 9'45,'
=,348*,(1,'4 '45,'4581@'1) 7;8(?' 9'45,'1846' ('45,';&6' 9'
45,' *6' 8)?8(P3' 9,348'&*' ,' 45&4'5 7'84' :8?54 ' 45,'
;,&453' 8(' E2*6'&(;' 2?234' 7,),'&'52(;),;'&(;'98946'&'
;&6'8(' &'= =2*&48 (' 9'&A 24' 38O46'45 23&(;J' 6';,&45'
&(;'A6'9*8?54' 45,'1846'A,1&:,' 3 ' , :=46'45&4'84'7&3'9 2(;'
;899812*4' 4 '?,4'4 ?,45,)'&'D2)2:' 9'45,'B),&4' 2(18*'4 '
I75815'45,'1848>,(3'5&;' 3 ' ,&?,)*6'45) (?,;'&'9,7': (453'
=),'8 23*6' (;'&'*&7'7&3'=&33,;'9)A8;;8(?'&(6'5,&;' 9'
&'9&:8*6'4 ' D284' 45,'1846'&(;'1 : :&(;8(?'&**' 45 3,' 75 '
5&;'; (,'3 '4 '),42)(

4' 7&3' &*4 ?,45,)'&' :83,)&A*,' 1 : : ,(1, : ,(4' 9'45,'
),34)&48 (' 9'*8A,)46'&(;' 3,*9.? ',)(: ,(4' 3 ' ,O2*48(?*6'
8(&2?2)&4,;' ' ,4' 45,'=,348*,(1,'843,*9'83';,1*&),;'A6'45,'
3&:,' 5834)8&('9' 4 ' 5&',' A,,(' 9' 23,'8(' 15,1@8(?'&'348**'
?),&4,)' ,'8*' 5,' *;' =) 9 2(;'&(;'8(,)&;81&A*,' =&)46'
5&4),;3' :&(89,34,;' 45, : 3,*',3'7845'),(,7,;'8 *,(1,'&(;'
A844,)(,33' *]&6'A6';&6'45,'*,?83*&48 (' 9'45,'=&)46'8(

= 7,) L 45,‘ D " L &A&(; (,;‘ 45,‘ : &3@‘ 9‘ : ;,)&48 (‘ !
&(;‘ 8 : =&)48&*846‘ &(;‘ &332 : ,;‘ 45,‘ 15&)&14,)‘ 9‘ =&)483&(‘ #N
=,)3,1248 (‘ *),(1,‘ 7&3‘ 45),&4,(,;‘ 7845‘ &‘),8?(‘ 9‘
4,)))‘ ‘ : ,&32),‘ &; =4,;‘ &4‘ 4583‘‘48 : ,‘A6‘45,‘ ? ‘,)(<
: ,(4‘83‘1 : 8 23*6‘8**234)&48‘,‘ 9‘3 : ,‘9,&42),3‘ 9‘45,‘3 18&*
1 (;848 (‘ 9‘45,‘ ,= 15‘ A 45‘ A6‘843‘ 7(‘ (&4 : J,‘ &(;‘ A6‘
45,‘ ‘8 *,(4‘ 3,(3&48 (‘ 84‘ 1&23,;‘ 45) 2?5 24‘ 45,‘ 1846 ‘ ‘
1 : : 8338 (‘ 7&3‘ &== 8(4,;‘4 ‘ ,O& : 8(,‘ &*‘ &11 2(43‘A,47,,(‘
8(;8‘8;2&*3‘ &(;‘ 45,‘ : : (7,&*45‘ 9) :‘ #‘ 4 ‘ 45,‘
=),3,(4‘ 48 : ,‘ &‘ =,)8 ;‘45&4‘83‘4 ‘3&6‘ 9‘9894,,(‘6,&)3‘ 7845‘
&‘ ‘8,7‘ 9‘),1 ‘,)8(?‘ &(6‘32 : 3‘ 2(;2*6‘ 78455,*;‘9) :‘45,‘
4),&32)6‘ 5,‘ : , : A,)3‘ 9‘4583‘A &);‘7,),‘4 ‘A,‘=&8;‘A6‘
&‘=,)1,(4&?,‘ (‘45,‘32 : 3‘),1 ‘,),,;‘A6‘45,8)‘*&A 2)3‘ 4‘
: 8?54‘3,, :‘45&4‘2(;,)‘&(64 *,)&A*6‘5 (,34‘&(;‘),?2*&)*6.‘
1 (;214,;‘,O,1248‘,‘&(‘);,)‘4 ‘=&6‘2=‘& ‘&)),&)3‘ 9‘4&O,3‘
7 2*;‘ A,‘ &‘ 38 : =*,‘ : &44,)‘ ,(2?5‘ 24‘8(‘ *),(1,‘45,‘
1 (318 23(,33‘ 9‘,‘&38 (‘=,12*&48 (‘&(;‘1))2=48 (‘H 8(,;‘
4 ‘45,‘ : &44,). 9.1 2)3,‘1,)4&8(46‘ 9‘8(H23481,‘&(;‘=&)48&*846‘
8(‘45,‘ : , : A,)3‘ 9‘45,‘1 : : 8338 (‘4523‘A)8A,;‘4 ‘ : &@,‘
89‘45,6‘1 2*;‘ (4‘98(;‘&‘1&3,‘&?&8(34‘45,‘ A(O8 23‘&;5,<
),(43‘ 9‘45,‘9&**,(‘),?8 : ,‘1&23,;‘&‘;&(?,) 23‘4,)))‘& : (?‘
&‘*&)?,‘1*&33‘ 9‘45,‘1848>,(3

24‘ (7‘45,‘ ‘,).)8;8(?‘ ;),&;‘ 9‘45,‘ =,348*,(1,‘ 75815‘
?)&3=,;‘ &**‘ ‘,(?,&(1,3‘ 8(‘843‘ 7(‘ 8 : =&)48&*‘ 5&(;‘ &(;‘
45),&4,(,;‘4 ‘,(9)1,‘&‘ =,&1,‘&94,)‘843‘ 7(‘9&3588 (‘A6‘=) <
;218(?‘ &‘3 *842;,‘ 4,(;,;‘4 ‘),:,;6‘45,3,‘ ,‘8*3‘ ,(‘
1 7,),;‘ A,(,&45‘45,‘‘,(?,&(1,‘ 9‘(&4 : P,‘&(;‘9)‘&758*,‘
9)? 4‘45,8)J‘ 7(

(45,)‘1&23,‘&*3 ‘1 (4)8A24,;‘&4‘45,‘3& : ,‘48 : ,‘4 ‘;)&7‘
45,‘1848>,(3‘ 4 ?,45,)‘&(;‘8(;21,‘ 45,:‘4 ‘323=,(;‘89‘45,6‘
1 2*;‘ (4‘ &A&(; (‘45,8)‘&(8 : 3848,3‘ 24‘4583‘&*3 ‘7&3‘
(458(?‘A,44,)‘)‘(A*,)‘45&(‘&(45,)‘1 : : (‘9,&)‘ A 24‘
45,‘ : 8;;*,‘ 9‘E2*6‘45,‘A&(;84‘&) : 6‘ 75815‘ 38(1,‘45,

UY ' # ' ' ' ' '

W ! Y A,?8((8(?' 9' &6' &;' , : =* 6, ;' 843, *9' 8(' =8**&?8(?' : , ' &4' *, (?45' : ', ;' 9)45' 9) :' 45,')28(, ;' 1846' ', (?8(?' =, 348*, (1, ' 5&;' ; ,1*&), ;' 843' =), 3, (1, ' 45,), ' &*3 ' B, (,)&4, ;' A6' 45, ' =24), 9&148 (' 9' 45, ' 2(A2)8, ;' ; ,&; ' &(;' A6' 45, ' 8(98< (84, ' 98*45' &(;' *81, (48 23(, 33' 9' 45, ' 3 *; 8,)6' 84' 5&;' =, (, < 4)&4, ;' 78458(' 45, ' 1&34*, ' : &43' &(;' A&))8,)3' &(;' &==) &15, ;' , ', (' 45, ' 3&1), ;' =,)3 (' 9' 45, ' (4899M &3' , ?(8' 75 ' 3, , : 3' 4 ' 458(@' 45&4' 8(' 3215' &' 1&3, ' 45, ' *&73' 9' (&42), ' : 8?54' A, ' , 0=, 14, ;' 4 ' 5&', ' A, , (' 323=, (; , ; ' 7)84, 3' 7845' 5)))' (' : , ' , ',)6458(?' 1 (32 : &A*, ' 5&;' A, , (' 1 (32 : , ; ' (;' 45, ' ; ,34) 6,)3' *8@, ' 45, ' * &453 : , ' * 1234.1* 2; ' 75815' =&33, 3' (7&);' (*6' 4 ' *, &', ' &' =*&?2, .3 : 844, (' ; ,3,)4' A, 58(;' 84 ' * @, ;' &) 2(;' 45, : ' 9)' 9), 35' =), 6

',)6' (, 8?5A : 8(?' 1846' 4), : A*, ; ' 5, ' 4&*8&(' &) : 6' 7&3' (' 45, ' &*,)4 L 4 ' =), ', (4' 45, ' ; 834&(1, ' A, 47, , (' 45, : ' &(;' 45, ' , (, : 6' 9) :' A, 8(?' *, 33, (, ; J' ' 9&)' 7,), ' 45, 6' 9) :' &(6' &44, : =4' 4 ' =) 4, 14' 45, 8)' 1 2(4)6' 45&4' 45, 6' 1&), < 92**6' 9 ** 7, ;' , &15' : ', : , (4' 9' 45, ' , (, : 6' A6' &' : &)15' 8(' 45, ' == 384, ' ; 8), 148 (' Q 5, ' 1846' 9' &)(8' 7&3' 45, ' '8148 : ' 3, *, 14, ;' A6' 45, ' ; ,34) 6,)3' ,3834&(1, ' 7&3' 2(;), &: , ;' 9' =, ' 9' 5, *=' 45,), ' 7&3' ((, ' (;' &' 3*&2?54,)' 3 ' 8(; 83< 1)8: 8(&4, ' &(;' 2(8',)3&*' , (32, ; ' 45&4' 75, (' &94,)' 1 (32 : 8(?' , ',)6458(?' 45, ')&' &?8(?' 5); , ' (1, ' &?&8(' : ', ;' (' 45, 6' *, 94' & 8 244,)*6' 2(8(5&A84, ;' ; ,3,)4' A, 58(;' 45, : ' 75,), ' &' = =2* 23' 1846' 5&;' , O834, ;' A24' &' : (45' A, 9),

0 5 3, ' 42)(' 7&3' 4 ' 1 : , ' (, O4' Þ *), (1, ' : 8?54' 7, *' 42)(' =&*, ' &(;' A, ' 31&), ;' &758*, ' 9) :' 5,)' 7(' 32818; &*' A) 8*3' &(;' 5&4), ; 3' 0 8458(' 45, ' 7&*3' 9' 45, ' 1846' &(;' &: (?' 45, ' *&)?, ' = =2*&48 (' 8(5&A848(?' 45, ' 45 23&(;' '8**&3' &(;' 5&: *, 43' 75815' 3 ' 4581@*6' 342; ; , ;' 45, ' * ', *6' 58**3' &) 2(;' 84 ' 45, ' =, 348*, (1, ' 7&3')&?8(?' 7845' 348*' 8(1), &38(?' '8 *, (1, M &(;' 45, ' =) 3=, 14' 9' 45, ' 9242), ' A, 1&: , ' ; &6' A6' ; &6' ; &)@,)' &(;' :), ' ; 831 2)&?8(?' 5, ' :)4&*846' 8(.

' &)158' A @8'

1),&3,;' ;2)8(?' 45,' &242:(' : (453' 4 ' 45),,' &(;' 9 2)' ' ' 52(;),;' &' ;&6 J')8'&4,' A238(,33' &3' 7,**' &3' =2A*81' &99&8)3'&(;' = *8481&*' ;833,(38 (3' 7,),' &4' &' 34&(;348**' 5,' 4 7(' 7&3')&=8;*6' &332:8(?' 45,' &==,&)&(1,' 9' &' ;,3,)4,;' 1846M &(;' 45,' 9)8?54,(,;' ? ',)(:,(4' 9 2(;' 84' &A3 *24,*6' (,1,33&8F6' 4 '),3)4' 4 ' ,O4)&);8(&)6' 3&(84&)6' :,&32),3' 9' 3 :,'@8(;' 5,'?),&4'=) 1,338 ('8('5 (2)' 9'45,' ((2(.' >8&4&' 88.?8(' 5&;' 42)(,;' 24' &*4 ?,45,)' &' 9&8*2),' ',)6< 458(?'5&;'A,,('? 8(?'9) :'A&;'4 ' 7)3,'38(1,'45&4' (4&A*,' 3,1 (;';&6' 9'E2(,' 5,' ((2(>8&4&',845,)'7 2*;'(4')' 1 2*;'(4'5,*='45,:' 4' 7&3'45,),9),';,4,):8(,;'4 '5&',),1D:3,'4 " '=8142),' 9'45,' 8)?8(ML 45, 1,*,A)&4,;' *&1@' 8)?8(' 9' :=)2(,4&' 75 :'7,'5&',';3,,(' 3 ' 9),D2,(4*6'8(' @,;'8(' ;899812*4'1)83,3' 9'45,'5834)6' 9' 45,' : : (7,&*45' F' ' ' : 45,)' 9' B ;G'3&63'45,' ?)&',' &(;' ,)2;84,' ,?(8' F' 2)' 1846' 5&3' (,',)' =2A*81*6' &==*8,;'8(''&8('8('75&4,',)',O4),:846' 9';834),33' 4'83'(' *8?54')' 38**6'458(?'75815' ' &:'5,),' &998):8(?G'1 (48(2,3' 45,'5834)8&('7845' &' 12)8 23' 1 (318 23(,33' 45&4' 583' &33,)< 48 (3' :8?54' &==,&)' 3215'4 ' 3 :,' 9' 583'),&;,)3'M F'9)'8(' 48:,' 9' ;) 2?54' 35,',',)' 3,(4')&8(M 8(' =,)8 ;3' 9' 9* ;' 35,'5&3'),34),;'4 ' 23' 98(,'7,&45,)M 9) :'=,348*,(1,'35,' 5&3'),: ',;' 45,' = 83 (M &(;' 8(',',)6' : 34' ?)8,' 23' 8**' 35,' 5&3' ,',)' 9 2(;' 843' &==) =)8&4,'),:,;6 G9' ' 45,' :=)2(,4&' 8)?8(' 7&3' A) 2?54' 4 ' *),(1,' **' 45,' :&?834)&4,3'A&),9 4,;' &(;'8(' : 2)(8(?'),1,8',;'5,)' &4' 45,' ?&4,' 9'45,'1846'&(;'1&))8,;'5,)'8(' 3 *,:('&(;'',)6' 3&;'=) 1,338 ('4 '45,'152)15' 9'45,' ,)'84,3)46' 45 23&(;' 1848>,(3' 5&;' ;8,;' 8(' 45,' : (45' 9' ',:A,)Q' 24' 45,' (,6,).9&8*8(?' 5?8(' 9' :=)2(,4&

'" '6>.4'+,4'4'E,,H'4'5'UX' j' 5'U
F' 8)E4' !6247' 96>24' 3*9' ,=,' +,4'DDp4'5' ' =' .*)E63' 4=' 9,*E126=' 4.16.969' 1,' 4.:2*96' 1<6' =*E*3E8.' 94=134:1'8=' G622' 8=' 1<6' :41;' <6.' #6>.4' =568H=',%' 1<366',3' %,*3' <*.9369'8'98;'<6' =568H=',%' 1<6' :41;' ,.2;

#N =),'&8*,;' (' 4583J 11&38 (' &*3 ')' 7845' 45,' 1 :8(?' 9' 45,' 1 *;' 7,&45,)' 45,' 381@(,33' A,?&(' 4 ' &A&4,' (;' 4523' 45,' 9&845' 9' 45,' *),(48(,3'8(' 45,8)' 15&):' 7&3' :),' 45&(' ,',)' 1 (98):,;' 48*"' &94,)' * (?';) 2?54' &(' &==,&"' 4 ' 45,' *&1@' 8)?8(' 83' 9 2(;' 4 ' A,' 9 ** 7,;' A6')&8(M 348*"' 9),35' 8(34&(1,3' 1 (98):' 45,',O=,)8,(1,' 9' 1,(42)8,3' 45&4' 5,)' 8(< 9*2,(1,',',)' 1&23,3' ,O4)&);8(&)6' 9* ;3' 4 ' 68,*;' A,9),'),42)(8(?' 98(,'7,&45,)' 3'84' :,),'4)89*8(?'4 '),1);' 3215' 9 **6'b' 3'84' (4')&45,)' 4)2,' 45&4'9,7'52:&(' :&44,)3' &),' :),' 7)456' 9' (4,' 45&('3215' = =2*&)' A,*8,9'8(' H2O4&< = 3848 (' 7845' 45,' 21),48&('2(A,*8,9' 9' =)8(1,3'1&);8(&*3' &(;' = (48993'b

24' *),(1,' 7&3' (,',)45,*,33' 9&)' 9) :' A,8(?' &4' &(' ,(;' 9' 5,)' 4) 2A*,3' 5,' =*&?2,' 7&3' 9 ** 7,;' A6' &' 31&)1846' 75815' (,&)*6' &==) &15,;' 4 ' &' 9&:8(,' ,'&3< 4&4,;' &(;' &*: 34' ;,= =2*&4,;' 98,*;3' =) ;21,;' ('' 9 ;' A34)214,;'&(;'8(4,))2=4,;'1 : :2(81&48 (3'1 (4)8A24,;'4 ')&83,'45,' :&)@,4' =)81,' 9' ,',)6458(?' &:A8' 5&3' =*&1,;' ('),1);' &' *834' 9' =)81,3' =&8;'8(' *),(1,' ;2)8(?'45&4' 4,))8A*,'78(4,)J'),&;' 3,,:3' 4 ' 5&',' A,,(' :),' 45&(' ; 2A*,' 843' =),3,(4' =)81,' 4&@8(?' 8(4 ' 1 (38;,)&48 (' 45,'),*&48',' '&*2,' 9' : (,6M &(;' 45,' :&H)846' 9' 45,' &)481*,3' (&:,;'),&15,;'&'6,4'58?5,)' '&*2,' &(6' ;,&453' 112)),;' 9) :'34&)'&48 (ML &'458(?'45&4'5&;'(4'A,9),' A,,('3,,('8(' *),(1,',',(' &4'45,'88:,' 9'45,'4,))8A*,'9&:8(,'8(' -!

523' 3&;*6' 7845' =),3,(4' :83,)6'&(;' ',)6'?* :6'=) 3<=,143'9)'45,'9242),'7&3'45,'6,&)' #N'1* 38(?'&4' *),(1,' 75,('48;8(?3'),&15,;'45,'1846' 9' &(',',(4' 75815'45),7'45,' 1848>,(3'8(4 '9),35'&*&):'&(;'',)6'3,)8 23*6'1 :=*81&4,;'45,' = 3848 (' 9'45,' : : (7,&*45 Q' 583' 7C&3 45,',31&=,' 9' 45,' =,'9) :' 4' (?,* '&(;'583'3&9,' &))8'&"' &4')'8,4 M 75815'5,'),&15,;'47 ' 5 2)3' &94,)' (8?549&*"' ('45,' 45' 9' ,1,:A,)'7,&)6' 7)(' 8(' A ;6'&(;' :8(;'H &(;'8(' 3215

=)' &(;' :83,)&A*,' ?283,' 45&4' F' 5,' 3,f8=,; G' 3&63' ,?(8 J' &==&),(4*6' 2(1 (318 23' 9' 45,' 3&48),'*&4,(4' 8(' 583' 7);3' F (,' 9' 45 3,' (48993' 9' 45,' =)8:848',' 52)15' 75 ' ;,3=838(?' &(;' &A&(; (8(?' 45,' = :=3' &(;' ?8943' 9' 9)42(,C' 7,),' =,)3,124,;' A6' 45,' 46)&(43' &(;' ==),33)3' 9' 45,' 9&845 G

,:,(4' 5&;' =2)15&3,;' 583'),,&3,' 9) :' 5&)*,3' ' [75 3,')& :P(8(?' 9)' 45,' &14' 9' 583' 32A);8(&4,3' 75815' 5&;'1&23,;' 45,' =,P3' 8:=)83 (:,(4';8;' (4' ,O4,(;' 4' 45,'),*8(D2835:,(4' 9' 45,' =) 984'4'A,':&;,' 24' 9' 84H' A6' &33,(48(?' 4' &**' 45,' 5&);' &(;' 52:8*8&48(?' 1 (;848 (3'8:< = 3,;' 2= (' 58:' A6' 45,' =8 23' &(;'),?),492*' 1 (D2,))' 5,6'8(1*2;,;' &: (?' 45,)' :8( )' = 8(43' 45,' 1,338 (' 9' &):&'&(;' 8&1,(>&'&(;' 45,)'4,))84)6'M &(;'45,'=&6:,(4' 9' 9 2)' 52(;),;' 45 23&(;' 1) 7(3'), ',)' &3' 84' 7&3' 75 **6' 24' 9' 45,' =,P3' = 7,)' 4' =&6' 3215' &' 32:' 8: :,< ;8&4,*6' 5,' 7&3' A*8?,;' 4' ?8',' 2=' 8(4' 45,' 8)),',),(4' @,,=8(?' 9' 5,),481' 3 *;8,)3' 3,',)&** 1&);8(&*3' &(;'A835 =3' &3' 3,12)848,3' 9)' 45,' =&6:,(4' 9' 84' (;' 84' 7&3' (4' 48**' 45,3,' 2(5&==6' &(;' 5,*=*,33' 5 34&?,3' 5&;' 4781,' (&)) 7*6' ,31&=,;' A,8(?' 52(?' A6' 45,' 3 *;8,)3' ,O&3=,)&4,;' A6' 45,' ;,*&6' 9' 45,' =) :83,;' =&6:,(4' 45&4' 45,' :(,6' 7&3' &4' *,(?45')&83,;' A6' 45,' 3&*,' 9' 98',' &);8(&*P3' 5&43' &(;'&'* &(' =) 12),;' &4')28(23*6',O)A84&(4'8(4,),34

5,'2(*21@6' *,:,(4' 83' 3,',),*6'1,(32),;' A6' 45,' * <),(48(,'5834)8&(3' 9)' 5&'8(?' 1 (3,(4,;' 4' 4,):3' 3' 52:8< *8&48(?' (;' 84' 83' 8(4,**8?8A*,' ,(2?5' 45&4' 84' 7 2*;' 5&',' A,44,)' 3284,;' 45,'8(4,),343' 9' *),(1,' 45&4' 5,' 35 2*;' 5&',' :&8(4&8(,;' 45,' ;8?(846' 9' 45,' &=&16' A6';68(?' 5,) 81&**6' 8(' 583' =)83 ('8(' 4' (?,* '5&;' 84' A,,(' (,,;92*' 3' 4' ; ' &3' &'),32*4' 9'),9238(?' 45,' 1 (;848 (3' =) = 3,;' 4' 58:' ' B),?)6' ')' &(' ((1,(4' ' :8?54' 5&',' =),< 9,)),;' 4' 8(12)' &(6458(?' 45,' 1 (D2,))' 1 2*;' 8(9*814')&45,)

45&(' A,(;' 4523' * 7*6' A,9),' 3,12*&)' ==),338 (' 24'
W ' 9):,;' 9' ',)6' ;899,),(4' :&4,)8&*' (' 583
= 3848 (' 7&**,;' 2=' 8(' 1 :=&(6' 7845' =,348*,(1,' 8(' 45,'
:8;34' 9' 583')28(,;' 1846' 758*,' 7)3,'&(;'*,&34',(;2)&A*,'
9' &**' *),(1,' 7&3' ,31&=8(?' =,)5&=3' 9)' ,',)' 9) :' 583'
?)&3=' 84' 7&3' (4' 4 ' A,' ,O=,14,;' 45&4' 5,' 35 2*;' &14' 45,)<
783,' ,38;,3' =) :83,3' 1 :,' ',)6' 15,&=*6' 4 ' 58:' 75 '
5 *;3' 45,'= 7,)' 9'45,'@,63
,4' (47845 34&(;8(?' 45&4' 583'),34)&48 (' 4 ' *8A,)46'I7&3'
&?),,;' (' *,:,(4' :83; 2A48(?' 45,' 8(4,(48 (3' 9' 583'
H&8*,)3' 7 2*;' (4' &7&84' 45,' ;&6' &== 8(4,;' 9)' 84M' A24'
9 2(;' :,&(3' 4 ' ,*2;,' 45,' '8?8*&(1,' 9' 583' ?2&);3' *,33'
34)814' 84' :&6' A,' 32== 3,;' (7' 45&4' 583' *8A,)&48 (' 7&3'
3,44*,;' &(;' =),9,)),;' :&@8(?' 583' H 2)(,6' 9) :' :,' 4 '
)'8,4' &3' &' 92?848',J
5,' 3842&48 (' 9' 45,' 1846' 45883' 3,*,14,;' A6' 45,' 5&);*6'
A,.34,&;' (4899' &3' &' =*&1,' 9'),92?,' 83' (,' 9' 45,' : 34'
),:&)@&A*,' 8(' 4&*6' 4' 34&(;3' &A 24' 5&*9.7&6' A,47,,('
:,' &(;' *),(1,' 8(' 45,' :8;34' 9' &' ' *1&(81'),?8 ('
75815' 45,' 3211,338',' =,)&48 (3' 9' 98),' &(;' 7&4,)' 5&','
4)42),;'8(4' 45,' : 34' 34)&(?,' '&)8,46' 9'&A)2=4'&(;'=8142<
),3D2,'9):3' ('4583' 38(?2*&)';834)814' 58**'&(;''&**,6'&),'
: 34*6'3,=&)&4,;' (4' &3' 8('3: 45,)'),?8 (3' A6' ?,(4*,'
3* =,3' A24' A6')8',(' =),18=81,3' 9' 7&**.*8@,') 1@M &(;'
)'8,4' 112=8,3'&' 1599.?8)4' 5,8?54' 75 3,' (&42)&*' 9)48981&<
48 (3' 3,,:' 4' :&)@' 84' &3' 45,' ',)6' 3= 4' 9)' 5 *;8(?' 45,'
7)*;' &4' A&6' ,&15,;' &4' 45,' =),3,(4' ;&6' (*6' A6' 45,'
34,,=' >8?>&?' 1*8:A8(?' 9' (,' 7,**.,(?8(,,),;') &;' 84' 83' &4'
,',)6' 45,)' = 8(4' 9' 843' 18)12:9,),(1,' &*: 34' 75 **6'
8(&11,338A*,' (;' A,9),' 45,'',O834,(1,' 9' 4583' :,;,)('
) &;' 45,' ;899812*4' A)8;*,.=&45' 75815' &==) &15,;' 45,' ?&4,'
7&3' 9' 1 2)3,' :215' :),' ,&38*6' ;,9,(38A*,' 5,' 8)),<
?2*&)' &(;' 358948(?' 1 2)3,' 9' 45,' 78;,' :&)35.A);,),;

&?*8&' 78(;3' 9&)' A,* 7'8(' 45,' '&**,6' &) 2(;' 45,' A&3,' 9'45,' =,)=,(;812*&)') 1@3' 75815' 9):' 1846' 7&**3' 3215' &3' (*6' (&42),' 1&(' 1 (34)214

(' 4583' 5&',(' 9'),34' 45,' =,)3,124,;' =,' 381@' &(;' A) @,(' 8(' A ;6' &(;' :8(;' 9 2(;' &4' *,&34' =,)3 (&*' 3,12)846' 24' 45&4' 3,,:3' 4 ' 5&',' A,,(' =),446' 7,**' &**' 45&4')'8,4 ' 7&3' 1&=&A*,' 9' &99);8(?' 58:' (;' 4 7&);3' 45,' 1* 3,' 9' 583' :83,)&A*,'),38;,(1,' 45,),' 5,' 1 (9,33,;' 4 ' B),?)6' ;&' &3&*,' ,()6' P3' &:A&33&;)' 45&4' 1&=48'846' &4' :,' 7&3' A,44,)' 45&(' *8A,)46' &4')'8,4 ' (,' 9' 45,' *,44,)3' 7)844,(' 5 :,' A6' B&);8(,)' &(;' O,J' 75 ' 5&;' A,,('3,(4' 4 '8 ?,' 45,' =,' 4 ' &((2*' ,()6P3' :&))8&?,' 7845' &45,<)8(,' ?8',3' &' *8',*6' =8142),' 9' 45,' 1 (;848 (' 9' 45,' 1846' &(;' 9' 45,' :83,)8,3' 9' 45,' =,P3' 59,' 45,),' &'8(?' &))8',;' 7845 24' &(6' 1* 45,3' A,38;,3' 45,8)' 4)&',**8(?' ;),33,3 L

F 0 ,' 7,),' 1 :=,**,;G' 45,6' 7)84,' F 4 ' 4&)6' &**' 45&4' ;&6' &(;' 45,' (,O4' 78458(' 45,' 5 23,' 758*,3' 2)' ?&):,(4,3' 7&3' &4' 45,' :&@8(?' 75,)8(' 7,' 9 2(;,' ',)6' ?),&4' ;8998<12*4`' &**' 458(?,3' 5,),' A,8(?' 8(' 3215,' &' 31&)184,' &(;' ;,)45,' &3' 7,' 458(@,' 5&45' (4' A,,H8' 3,,(' 8(' &(6' =*&1,'M &(;' 45&4' (4' (*6' 8(' '814,**' 75815' 1&(' (4' A,' A) 2?54' 8(' 4 ' 45,' 4 7(,' 8(' &(6' ?),&4' D2&(4848,' A6'),&3 (' 45&4' &*' 458(?' 83' 1 (',6,;' A6' &33,3' &(;' :2*,3'M A24' &*3 ' 8(' 45,)' (,1,3.' 3&)6,3'M 3 ' 45&4' 1* 45' 15&:A*,4 ')' 3215' *8@,' :,)15&2(;83,3' 75815' 8(' (?*&(;' 83' 7)45' #"8 ' 83' 5,),' 7)45' !v ' &(;' 6,4' (4' 4 ' A,' 5&;' 8(' &(6' D2&(484`' ' &(;' 5&;' 7,' (4' :&;,' =) <'838 (' 9 )' 2)' ? 7(,3' &4' 2@,' [ 211&]' 7,' :234' 9' (`1,3384,' 5&',' ? (' 8(' =&(835' 1* @,3' 3215' &3' 7,' 1 2*;' 5&',' A 8 7,;' 9' 45,' = =,P3' 3,)'&2(43M' 75,)8(' =,).' &;',(42),' 35 *;' 5&',' A,,(' 9 2(;' 3 :,' ;899812*4`' 9)3 .' : 15,' &3' 9,7' :,(' 5,),' 3 ' 9&))' &3' 7,' 1&(' =,)1,&',' 5&',' : ' ?&):,(4,3' 45&(' (,G

UY[' # ' ' ,' ' ' '

W ! 9')'8,4 ' 45,6' 7)84,' ' F' 4' :&6' 7,*' A,' 1&**,;')A3'
,423' [3215' 83' 45,' ,46: * ?6' A6' 3 :,' &338?(,;' 4 ' 45,'
(&:,]' 9)' ,',)6' :&(' 8(' &*' *&(?&?,3' &4' 583' ,(4),' 7 *;,'
?6',' 84' ((' 45,)'(&:,' 0 ,' 1&((4' 7,*' 4,*' 5 ',' 45,'
=,'35A*;,' A,'5 4,;'8('5A,)48,'A,8(?'5,),'75,),'52(?,)'
3@&)384,' 8*' 9&',),;' * ;?8(?' 8*' &6),' &(;' :&(6' 45,)'8(1 :<
: ;848,3' @,=,' 58:' &(;' &**' 583' &3' 34)&84*6' &3' 5,' 7&3' ,',)'
@,=,' 8(' &34*,' (?,*' 4' 83' " &'"' '" ' ' ' '"'
" ' ' &(;' 8(' :&(,)' 45,' =,' 1 7*,;' (4' ;,(6,' 4 '
)' B),?)6' A24' 84' 7,)' A,44,)' 4 ' A,' 8(' 1&=48'84`' &4' :,'
45,((,' 5,),' &4' *8A,)48,' 5,' =,' *8,45' 8(' &(' *;,' =&*&1,'
9' 45,' A8335 =,3' 9' 4583' 1846')26(3,' &(;' ;,1&6,;' 75,),'
)' 7,' 12: :,' 4 ' 583' =)6',6' A,;' 15&:A),' 7,' =&33,' 45),,'
15&:A),3' &*' (&@,;' &(;' (5&(?,;' 45,') 9,3' 9&8(' ; 7(,'
&(;' &3' 7,' 1&((,' ?,33,' 458)46' =,)3 (3')89')&9' &(;' 45,)'
34&(;8(?' 8(' 45,' 15&:A),3' 9)' &' ?&8 (835,:,(4' (;' &3' 9)'
45,' =,P3' A,;.15&:A,)' &*' 45,' &==&),*' 8(' 84' 7&3' (4' 7)45'
47,(46' (A*,3' A,;' &(;' &** G
(,&38*6' ,(2?5' A,6 (;' &*' ; 2A4' *&6' 8(' 45,3,' ;&63'
45,' 5,&;' 45&4' 7),' 45,' 4)8=*,' 1) 7(' (;' 7,' :&6' 9,,*'
',)6' 32),' 45&4' (4' 45,' *,&34' A844,)*6' 9,*4' 9' &*' 45,' 52:8*8&<
48 (3' 9' 45&4' :83,)&A*,' 48:,' 7&3' 45,' =),3,(1,' 9' 45,3,'
2*4)&: (4&(,' F A&)A&)8&(G' &:A&33&;)3' 4 ' 3=6' 24' 45,'
(&@,;(,33' 9' 45,' *&(;
(' 4583' 7),415,;' 1 (;848 (' 45,' 52:A*,;' (4899' 7&3'
A*8?,;' 4 ' 1 (48(2,' 9)' (,&)*6' 9 2)' : (453' F' :&@8(?'=) <
9,338 (' 4 ' &*' 5)8348&(' =)8(1,3 G' 3&63' ,?(8 J' F 9' ('
* (?,)' 78358(?')' 8(4,(;8(?' 4 ' :,;;*,' 7845' 7&)3')' &(6'
45,)' 7)*;*6' &99&88P ' 0 5,45,)' 4583' 7,),' &4' 45&4' 48:,' 583'
),&*' 9,,*8(?')' 75,45,)' 5,' &33H8:,;' 4583' 4 (,' A,1&23,' 5,'
3&7'?),&4' ;899812*48,3' A,9),' 58:' 8(' A)8(?8(?' 583' &99&8)3' 4
&(6' =) 3=,) 23' 8332,' 83' 2(1,)4&8(' 24' 5&'8(?
3299,),;' 8(98(84,*6' 8(' 3=8)84' A 45' (' &11 2(4' 9' 45,')28(

9 : , & (;' 9&)' :),' 348*# A,1&23,' 9 4A,' * 33 9 *),(1,' 2= (' 7 5815' 5,' 1 2*;' &4 45&4 48 : ,' 3, ,' 3 : &*# 5 =,' 9 &?&8(' A4&8(8(?' &(6' 5 *; ' &3 7 ,*# &3 9) :' : &(6 45,)' =&8(3 &(;' 3 : 7 3' 5,' 5&;' 2(;,)? (,' 5,' 7&3 45,(' 8(98) :' A 45' 8(' : 8(;' &(;' A ;6 G

24 *, : ,(4P3 3=8)842&# 8(1*8(&48 (3 &(;' &A(,?&48 (' 9 45,' 7)*;' &(;' 843 & : A848 (3' 89 8(' 4)245' 45,6 , ',)' ,O834,;' &4 &**' ,(;2),;' 5&);*6' 3 ' * (?' &3 45,' =8 23),3 *248 (3 &44)8A24,;' 4 ' &(45,)' 3=8)842&# =,)3 (&?,' 0 5,(' 45,' =,' ? 4 7,**' 8(;,,;' * (?' A,9),' 5,' ? 4 7,**' 583 315, : 8(?' =*&(3 &(;' A236 A)&8(' 7,),' 45) 2?5*6 9 45,' 7)*;' 7)*;*6' &3 45,6 , ',)' 5&;' A,,(' 0 58*,' 348*# 8(' ,1*8=3,' &4)'8,4 ' 5,' 0&3 5,&);' 37,&)8(?' 45&4 5,' 7 2*;' (,',)'),34 8(' 5 *6' ?) 2(;' 89 5,' ;8;' (4 3211,,;' 8('),1 ',)8(?' *),(1,' A,9),' 5,' ;8,; J

5,3,' A,8(?' 8(;,,;' 45,' 4)2,34' : 34 &A8;8(?' &(;' 8(,)&< ;81&A*,' 3,(48 : ,(43 9 *, : ,(4P3 5,&)4' *),(1,' 5&;' ? ;'),&3 (' 4 ' 9,,*# 45&4' 9) :' 75 : 3 ,',)' ,*3,' 35,' : 8?54 5&',' 4 ' 9,&)' 5 348*846' 45,' (4899 7&3 5,)' : 34 ;&(?,) 23 &(;' ;,&;*6 ,(,: 6' ,4 58 :' 3&6 75&4 5,' : 8?54' ,',)6 : &(' 8(' *),(1,' @(,7' 92*# 7,**# 45&4 3215 7&3 45,' 1&3,' 45 2?5' 45,),' 7&3 348*# & = 7,)92*# =&)46' 75815' ;,38),;' 45&4 5,' : 8?54 A,' 3211,3392*# 8('),.,34&A*8358(?' 45,' ,;81,&(' = 7,)' ',)' 45,' : : (7,&*45' *, : ,(4' 8(;,,;' ;2)8(?' 45,3,' ;&63 9 583 52 : 8*8&48 (' &(;' ;834),33' ;8;' (4 1,&3,' 4 ' : &@,' =) 4,34&48 (3 9 45,' : ;,)&48 (' &(;' 9)8,(;*8(,33 9 583' '8,73 7845'),?&);' 4 ' 45,' 1846' *# 5,' &3@,;' 7&3 45&4 *),(1,'35 2*;'),1 ?(83,' 58 :' &3 &' 1848>,(L)' &4 *,&34 &3 &' =,' ML 45&4 35,'35 2*;' ?8' ,' 2=' 4 ' 58 :' 45,' 158*;' &45,)8(,' 45,' (*6 *,?848 : &4,'), : &8(8(?' 318 (' 9 583)&1,' 9)18A*6' ;,4&8(,;' A6' 45,' 1846' ML &(;Y45&4 45,' : : (7,&*45' 35 2*;' &A34&8(' 9) :' 8 : = 38(?' &)A84)&)6' &(;')28(23 9)1,;' 1 (< 4)8A248 (' (' 1848>,(3' 75 ' 5&;' (' 45,)' 9&2*4 3&',' 45&4 9

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W o A,8(?‘ @(7(‘ 4 ‘ A,‘ 583‘ 9)8,(;3‘ 583‘ 7&3‘ &**‘ 5,‘ &3@,;‘ 9‘ 45,‘ *),(48(,3‘ 24‘ 45,3,‘ 7,),‘ 45,‘ 244,)&(1,3‘ 9‘ *,:,(4‘ 75,(‘ 5,‘ 7&3‘ 381@‘ &(;‘ 45,‘ 1848>,(3‘ 7,),‘ (4‘ ;,1,8',;‘ A6‘ 45,:

4‘ 1&((4‘ A,‘ 45 2?54‘ 32)=)838(?‘ 45,),9),‘ 45&4‘ 45,‘ 8:< =) ',:,(4‘ 8(‘ *,:,(4P3‘ 9)42(,3‘ &(;‘ = 3848 (‘ 75815‘ =,)< :844,;‘ 58:‘ 4 ‘),42)(‘ 9) :‘ 45,‘ ,O8*,‘ 9‘)'8,4 ‘ 4 ‘ :,‘ 35 2*;‘ 5&',‘ A,,(‘ 9,*4‘ 8(‘ *),(1,‘ 4 ‘ A,‘ &‘ 3,)8 23‘ A* 7‘ &(;‘ ?)8,' 23‘ &;;848 (‘ 4 ‘ 45,‘ 4) 2A*,3‘ &(;‘ =,)=*,O848,3‘ 75815‘ 5&)&33,;‘ 45,‘ 1848>,(3‘ &(;‘ 45,8)‘ ? ',)(:,(4‘ 24‘ =2448(?‘ &38;,‘ 45,‘ F‘ &**,3158‘ G‘)‘ ,;81,&(‘ =&)46‘ 45,),‘ 7,),‘ &3‘ 5&3‘ A,,(‘ &*),&;6‘ 8(48:&4,;‘ 47 ‘ 34) (?*6‘ ;8'8;,;‘ 9&148 (3‘ 8(‘ 45,‘ 1846‘ A 45‘ &4‘ *,&34‘ =) 9,338(?‘ 4 ‘ A,‘ ,D2&**6‘ 5 348*,‘ 4 ‘ *,:,(4‘ &(;‘ 45,‘ ,;818

5,3,‘ 7,),‘ 45,‘ F 448:&48 G‘)‘ &)834 1)&481‘ 758?3‘ &(;‘ 45,‘ F‘ 8&?((8 G‘)‘)&;81&** 9 ** 7,)3‘ 9‘ 45,‘ ; 14)8(,3‘ 9‘ &' (&) *&‘ ML 9 ** 7,)3‘ :&(6‘ 9‘ 45,:‘ 9‘ 583‘ = *8481&** ; 14)8(,3‘ (*6‘ A24‘ &‘ *&)?,‘ A ;6‘ &(;‘ 45&4‘ =) A&A*6‘ 9):8(?‘ 45,‘ :&8(‘ 34),(?45‘ &(;‘ (,)',‘ 9‘ 45,‘ =&)46‘ ,(45238&3481‘ &(;‘ 9&(&481&** ;8318=*,3‘ 9‘ 583‘),*8?8 23‘ 1),,;‘ &*3 ‘ 5,‘ * 946‘ &3=8)&48 (3‘ &(;‘ ;&)8(?‘ 45,)8,3‘ 9‘ 45,‘ ?),&4‘)8&)‘ 7,),‘ 9&)‘ 9) :‘ 5&'8(?‘ A,,(‘ A2)(,;‘ 24‘ 9) :‘ 45,‘ = =2*&)‘ :8(;‘ A6‘ 45, 9*&:,3‘ 75815 5&;‘ 1 (32:,;‘ 45&4‘ &= 34*,P3‘ A ;6‘ 47,(46.‘ (8(,‘ 6,&)3‘ =),'8 23*6‘ 215‘ ?) 7453‘ &),‘ (4‘ 4 ‘ A,‘ A2)(,;‘ 24‘ A6‘ 3215‘ 98),3‘ 5,‘ :,(‘ 8(‘ 75 3,‘ :8(;3‘ 45,6‘ 7,),‘ 6,4‘ &*8',‘ &(;‘ '8?) 23‘ 7,),‘ 9 2(;‘ =)8(18=&**6‘ &3‘ :8?54‘ A,‘ 32== 3,;‘ &: (?‘ 45,‘)&(@3‘ 9‘ 45,‘ F = *&(8 G L 45,‘ =*,A,8&(‘ =)48 (3‘ 9‘ 45,‘ 3 18&** A ;6 L A24‘ (4‘ ,(48),*6‘ 3 ‘)‘ 8(‘ *),(1,‘ 8(‘ 45,3,‘ ;&63‘ &3‘ 8(‘ 48:,3‘ &(;‘ =*&1,3‘ (,&),)‘ &4‘ 5&(;‘ 45,),‘ 7&3‘ &‘ 1*&33‘ 9‘ :,88‘ 75‘ 1 (1,8',;‘ 45&4‘ 84‘ :8?54‘ A,‘ 23,92** (4‘ (*6‘ 4 ‘ 45,8)‘ = *8481&**‘ A24‘ 4 ‘ 45,8)‘ 4)2,‘ 3=8)842&** 8(4,),343‘ &*3 ‘ 4 ‘ &; =4‘ &3‘ :215‘ 9‘ &‘ = =2*&)‘ &(;‘ *&)?,*6‘ =) 9,338(?‘ 1),,;‘ &3‘ 1 2*;‘ A,‘ :&;,‘ 1 :=&48A*,‘ 7845‘ 45,‘),3=,14&A8*848,3‘ 9‘ 3 18,46‘ 811 *U‘ &== (8‘ 58:3,*9‘ 75 ‘ 5&;‘),1,(4*6‘ A,,(‘ ,*,14,;‘ B (.

9&* 8*8,),' A6' 45,' 8(9*2,(1,' 9' 45,' 448:&48' 7&3' 45 2?5' %
58:3,*9'9) :' (&42)&*' 4,:=,)&:,(4'&(',33,(48&**6':;,)&4,'
:&('',845,)'9) :'1 ('8148 (')'=*816'&'=) 9,33,;&;:8),)'
&(;'9 ** 7,)' 9'45,')&4,'&(;'7&3' :215'1 ((,14,;'7845'
45,'1 : :2(846' 9' 4' &)@'&: (?' 75 :'583' 3=8)84' 348**'
:),',3=,18&**6'3:P'8',;

5,' 2(1 :=) :838(?' &(;' 98,)1,*6' ;,: 1)&481'),=2A<
81&(83:' 9'45,3,'F' 8&?((8G'&(;'45,'=)&1481&',&)(,34(,33'
9'45,',(45238&3:'7845'75815'45,6'A) 2?54' 45,8)'),*8?8 23'
45,)8,3'4 'A,&)'2= (' 45,8)'=*84813'=),3,(4' :&(6'=8(43'
9'34)8@8(?'),3,:A*&(1,'4'45,' 8945' (&)156':,(' 9' 2)'
7('),'*248 (&)6'=,)8 ;' 5,6'),3,:A*,;'45,:'8(' 45&4'
34),(?45' 9'45,8)'1 ('8148 (3'&(;'8 *,(1,' 9'45,8)'8,73'
75815'),(;,),;'45,:'&4' (1,'&'=7,)92*'&(;'&';&(?,) 23'
A ;6'8(' 45,' 4&4,' 5,6'),3,:A*,;'45,:'&*3'8(' 45,' 3,*9.'
1 (1,(4)&4,;' (&)) 7(,33' 9'1 (1,=48 (' 75815'*,;'45,:'&3'
84' 5&3' 3'*,;' :&(6'&(45,)' 315 *' 9'9&(&4813'4'3,,@'45,'
,34&A*835:,(4' 9'&'46)&((6'*,33'1 (4,:=48A*,'=,)5&=3'A24'
6,4' :),' 8(4 *,)&A*,' 45&(' 45&4' &?&8(34' 75815' 45,6'=) <
4,34,;

)'(',),&**6'3=8)842&*' 46)&((6'7&3',',)'6,4')',',)'1&('
A,'78;,*6'4 *,)&4,;' &4282' 3&63' 4 ' * 2;*6' Q 5,'
46)&((6' 9' :,' 5&3'A,,(' 4 *,)&4,;'A,1&23,'84'83' (4'8('
),&*846' 3=8)842&*' 5,' &**8,3' 5,)3,*9' 7845' &*' 45,' 1 (3,)<
'&48',' 3,*9835(,33' 9'52:&(' (&42),' 5,' &3@3' (*6'&'*844*,'
9&*3,5 ;L (*6'1 (9):846ML (*6';,:&(;3'45&4'89'6 2'
&),' (4' 5,)' ;2=,'6 2'35 2*;'&A34&8(' 9) :'3= 8*8(?'5,)'
?&:,' 7845' 45,)3' A6'=) 1*&8:8(?'5,)'9)&2;' (' 45,3,'
4,):3'35,'83'1 (4,(4'4'*,&','6 2'8(',=,&1,' 5,'78*' ,',('
8(',(4'5,)3,*9'&*' 3)43' 9'1 (',(8,(4'32A4,)92?,3'2(;,)'
1',)' 9'75815'35,' :&6';,1) 23*6'),9)&8(' 9) :'4) 2A*8(?'
6 2)'*89,'&(;'5&A843' (;'45,'=7,)' 9' :,',O8343' (*6'
A6'9&' 2)' 9'45,'),(,?&;,'1 :=*81846' 9'45,'45 23&(;3'
78**8(?'9)'=,&1,'&(;'1 :9)4P3'3&@,'4'A,'?28*46' 9'4583'
8(83=)838 (' 9'9,* (6'&?&8(34'4)245' ,7'1&),92*),&;,)3' 9

U ' # ' ' ' ' '

8r' 8834)6' 78*#' D2,348 (' 45,' &33,)48 ('45&4' &4' ('=,)8 ;' ;2)8(?' 45,' *&34' 9 2)' 52(;),;' 6,&)3' 5&3' 45,),' ,O834,;' &' 3299818,(4' &: 88(4 9'),&#' A,*8,9' 8('45,' 7)*;' 4 ' 5&',' @,=4' :&(83:' 8('45,'.= 3848 ('84' 112=8,3' 5&;' 84' A,,('2(32==)4,;' &148',*6' ')' =&338',*6' A6' (88.A,*8,6,83' 8('843' ; 14)8(,3' 4' :&6' A,' ' 3&9,*6' &332:,;' 45&4',',(' 8(' 45 3,' =&)43' 9' 2) =,' : 34' 5 = *,33*6' A) @,(.8(' 4 ' 45,' (;2)&(1`' 9' ,',)6' @8(;' 9' 6 @,' :,.7 2*;'1 : :84' &' 32818;&#' ,)))' 7,),' 35,' 4 ' &84,:=4' 4 '.*&6' ('5,)'9* 1@3' 3215' &' A2)45,('~3' 45,' 8&?((8' 3 2?54' 4 '8:= 3,' ('45,8)' 9,** 7.1848>,(3

' Y ,4' 8(' 45,8)')&(@3' 7&3' 4 ' A,' 9 2(;' (,&)*6' 998#' 45,' 4(8,' :&(5 ;' 45,' ,&)(,34(,33' 45^' 7)45' ,O8348(?' 8('45,' 1846' M &8)'45`' :&4,)8&*' 8(' &' 7);' 75815' *8&;' 84' (4' A,,('),(;,),;' ' '&*2,*,33' A6' &(' 8:=9&14R1~A8,' &(;' ',)A,&)8(?' 9&(&48183:' :8?54'= 338A*6' 5&',.M=),=&),;' .&.';89*,),(4'9242),' 9)' * <),(1,' T

T') 8(.'45,' J,' 448:&48' G' ;844*,' ? ;' 7&3' 4 ' A,' 5 =,;' P 5,6Y7,),A,44,)' 8(9):,;M' 8(;,,;' :),' &=&A*,' 9' ,348.' :&48(?' &(; 885;,)34&(;8(?' 45,' ;&(?,)3' &(;' ;899812*48,3' 17 5815' 45),&4,(,;' 45,' :: (7,&*45M' 8(' ,',)6' ;8),148 (I T&(;'),(;,),;' 45^''=) 3=,14' 9' 3,12)8(?' 843' 1 (48(2,;' 8(;,.' =,2;,(1,.' 0,**.(8?5' 5 =,*,33' 24' '3211,33' za' &44&8(8(?' T45,'' AH,143' 45,6'),&**6' 5&;'8('''8,0 ' 7 2*;'' 5&',.'A,,('' '&*2^*,C 4='45^'),34' 9.45,' 1848>,(3'&(;' 7 2*;' 8(9&**8A*6' 5&',''*,; 4 ' ,845,)' .9),35M'3211,3392#' 232)=&48 ('.U9' 45`' 32< =)^:,P= 7 )CA6C3=:,' (,' 9&:8*6 &: (?.488,:C' 4 ' & ' ,98,0. 9' 32H18;~*.' 4)2??*,3' &*4,)(&4,M=) 31)8=48 (3' &(;' .3 18&#' ;833 *248 :' 'T ,',)&#' :,(''& : (?' 45,:.' 7,6`' 323< =,14,;' A6' 45,'=, =*,' (4' (*6' 9' 78358(?' 4 ' &==) =)8&4,' 4 ' x5^(x3,*', '&**' 45,'=) 984' 9' 45,')1,(4'),'U*8848 (9' #N ' A6;A8,' ,34&A*835:,(4' 9' &' 1* 3,' *8?&)156.C&(' AH,14' 8(.)' ;,,;'17 5815vD;(*;' 5&);*6' 5,' M3&8;' 4 ' A,J' &' :&44,)' 9' 23.' T=818 (.P A24' 7&3' (,.)&45,)J' 9' (4)8,46 ...)A24' 9' 5&'8(?' 3,1),4' 36:=&458,3' 7845' 45,' ,;818C' &(;' 45,'9):,)');,)' 9' 458(?3' (;' 45,.'=)c'&*,(1' 9' 3215' 323=818 (3' 1),&4,;' 6,4

&(4*8,)‘ ,*, : ,(4‘ 9‘ ;899812*46‘ &(;‘ ;&(?,)‘ 8(‘ 45,‘ 3842&48 (‘ 9‘ 45,. ,=2A*81‘ Î I

5,),‘ 1&(‘ A,‘ (‘ ; 2A4‘ 45&4‘ 8(‘ : &(6‘ 1&3,3‘ 3215‘ 323.‘ Î =818 (3‘ 7,),‘ 7,*‘ 9 2(;,;‘ 24‘ 84‘ 7b83‘ 8(‘ &*‘ =) A&A8*846‘ 2(4)2,.&(;‘ 2(H234‘ 4 ‘ &31)8A,‘ 4 ‘ 3215P 36 : =&458,3‘ ,O1*2.‘ 38 9,*6‘ &(6‘ 4,(;,(16‘ (‘ 45,‘ =&)4‘ 9‘ 45 3,‘ 75; 7,),‘ &4‘ 45,‘ 5,*: 9‘ 45,‘ 4&4,‘4 ‘ 1 : ,‘ 4=‘ 3 : ,‘ 4,) : 3‘ 9‘ &;H234 : ,(4‘ 7845‘ =,‘ *, : ,(4‘ 5,‘ ;&(?,)3‘ 75815‘ A,3,4‘ 45 ` 1846‘ Î Î (‘ ~*‘ 38;,3‘ 7,),‘ 4 ‘ 8 : : 8(,(4‘ 9 )‘ 84‘ 4 ‘ 5&',‘ A,,(‘ 45,)‘ 45&(‘ ,O123&A*,‘ 9 )‘ 45 3,‘ 75 ‘ 2(;,)34 ;‘ 45, : ‘ &(;‘ 5‘ 7 5 : 45,‘ .),3=U(38998*846‘ 9‘ ?28;8(?‘ 45,‘ : : (7,&*45 Î &: (?‘ 45, : ‘ ),34,;‘ 4 ‘ ;),&;‘ 45,‘ 1 (3,D2,(1,3‘ 9‘ 8))`.‘ : ,;8&A*6 &*8,(&48(?‘ &(;‘ ,O&3=,)&48(?‘ 45`‘ (4899‘

(‘ 45,‘ 3=)8(?‘ 9‘ # ‘ 45,‘ =,348*,(1`‘ &?&8(‘ ,?&(‘ 4U‘ 8(1),&3,‘8('8)2*,(1, J‘ &(;‘ (M =(?,)‘ 1 (98(,;‘ 843‘)&'&?,3‘ &3‘ 84‘ 5&;‘ : 34*6‘ ; (,‘ 8(‘ 45,‘ =),'8 23‘P32 : : ,)‘ .4 ‘ .45,‘Î =),)‘ 1*&33,3‘ 9‘ 45^‘ 1848>,(3‘ . 5, =),332),‘9) :‘ 31&)1846‘ 9‘9 ;‘ 7&3‘ ,',)6‘ ;&6‘ : &@8(? 843,*9‘8( ),‘ 3,',),*6‘ 9,*4 .&(;‘ '&)8 23‘ 32 : =42&)6‘*&73‘ 7,), =&33,; 9‘ 4 .),34)&8(‘ 45&4‘),1@*,33(,33‘ 9 *8'8(?‘ (5815‘ 83‘ 3 ‘ .1 : : (*6M 9A2(;‘ 4 ‘ : &(89,34‘ 843,*9‘Î8(‘ 48 : ,3‘ 9‘‘?,(,)&*‘ ;&(?,)‘ &(;M .;834),33‘ I75,('4 ‘ ,&4‘ &(;‘ ;)8(@ 38=1`‘4 C: 8 7 7,‘ ;8=.‘83‘ &=4‘ 4 ‘ 1 : : ,(;‘ 843,*9‘ &5.45,‘ 4)2,34‘ O 83; :‘ 8=‘ 45,‘9&8~4.5,&)4`;‘ &(;‘9 *835 ‘

4‘ 7 2*;.‘A, ;89981a* : ;,c;H‘ 4A‘:828&?: ,M R&K|= 3848 88.‘ 9‘ ?),&4,)‘ , : A&))&33 : ,(4‘45&(45&4‘ 9‘45,‘)2*,8/ 9‘3215‘&M1846‘ &4‘3215‘&‘48 : ,C‘‘ (;.P 8 1 WU B&===(8C‘ ~332)`;*6‘ ( 4‘ 45,‘=8* 4‘4 ‘Y7,&45,)‘3215‘&‘34 ) : ‘ *83‘ 1&248=23 3&?&1846‘ 3&7‘ (*6‘4 ‘18,&886‘8**‘45,Î;&(?,)3‘U9‘45,‘3842&48 (‘Î 5,),‘ &),‘34) (?‘?) 2(;3‘9 )‘A,**,'x88?‘45&4‘B&== 58M7&3‘Y&(O8 23.‘ 4 ‘3,)'`‘45, A,34‘8(4,),343‘ 9‘583‘1 2(4)6 ‘&3 5^2(;,:4. =;‘ 45,: ‘ ,4‘84‘83P=) A&A*,‘45~4 C8`‘ 7&3‘*844*^‘ 38881,),‘ 8(‘ ,(;,&' 2)8(?‘4 ‘ 1&))6‘ 24‘ 45&4‘ = *816M 75815‘7&3‘9)1,;

TJ &:A8 ,*8&‘;,?*8)4R;‘ 3,‘'*.‘O OO82‘= *Rb J #;
BB "'□C‘ ‘ 6 ! i.*

U ' # ' 4' ' ' '

('58:'A6'45,'A *;,)'&(;' :),'8?( )&(4' :&H)846' 9'45,'
2(18*

5,P3&:,'458(?' :&6' 7845' 1 (38;,)&A*,' 1 (98;,(1,' A,'
'T l 3&8;' 9' &'34,=' 4&C,(' A6'45,' B (9&* (8,),' 45&4' 3=)8(?' ('
l ; 2A4' 9)' 45,' =2)= 3,' 9' 1 (18*8&48(?' 45,' F' 8&?((8 G'
75815'32),*6'7&3' (,' 9'45,' : 34' ,O4)&);8(&)6' :,&38*),3'
l,',)'&; =4,;' A6'&'34&4,3:&(' 8(';899812*46' 24' 45,' =) <
= 3&*' &(;' 45,'),1,=48 (' 9'84' A6' 45,' 1848>,(3' &),' &*8@,'
15&)&14,)83481'8(' &' ',)6'),:&)@&A*,';,?),,' 9'45,' *),(48(,'
4,:=,)'&(;' : ;,3' 9'45 2?54' &(;' 9'45,'9,',)835'34&4,' 9'
45,'=2A*81' :8(;'&4'45&4'48:,

5,),'7&3'&' :,,48(?' 9'45,' B),&4' 2(18*' 9'1848>,(3' ('
45,' 45' 9' ,A)2&)6' # J' 4' 7&3' :215' :),' (2:,<
) 23*6'&44,(;,;' 45&('5&;') ,1,(4*6'A,,('45,'1&3,M 9)'45,),'
7,),'P(' *,33'45&(' ,*,',(' 52(;),;'1848>,(3' =),3,(4' 5,'
B (9&* (8,),') 3,'&(;'8('&'* (?'3=,,15C' 75815' :8?54' 5&','
=&33,;' 3&63' &)158' 7845' 3 :,458(?' ',)6'*8@,'&'3(,,)' 9)'
(,' 9' &' (&) *&P3' 3,): (3'),5,&)3,;'&'* (?'*834' 9'=) <
'8;,(48&*' :,)18,3' 9)' 75815' *),(1,' 7,;' 45,' ?),&4,34'
?)&4842;,'4 ' B ;' =,18&**6' 5,'),1 2(4,;' 5 7 ' 75,('),<
1,(4*6'45,6' 7,),' :,(&1,;' 7845' ;,34)2148 (' A6'45,' *&7*,33'
9 ** 7,)3' 9')2(;3A,)?'&(;' 2)A (' F'45,';8'8(,' :,)16'
: ',;'A6'45,'=)&6,)3' 9'1,)4&8(' =8 23'=,)3 (3' 9',845,)'3,O'
8(' 45,' 1846' 5&;' 3,(4' 45&4' ;,34) 68(?' 5 34' 4 ' 3&1@' &(;'
=*2(;,)' :,' &(;' &**' 843' 1*,)?6G' 8(34,&; 9' &338(?'
45,(1,' 4 ' &(' &*&):8(?' =8142),' 9'45,';&(?,)3'45,('8: :8<
(,(4*6'45),&4,(8(?'45,' 4&4,'&(;' 9'45,'=),3,(4'*&:,(4&A*,'
1 (;848 (' 9'45,'=, =*,' 5,'8(' 1 (1*238 (' 32;;,(*6'45),7'
58:3,*9' (' 583' @(,,3' A,9),' 45,' &33,:A*6' 1)68(?'&* 2;'
F' ,)16Q :,)16'Q 4 ' 3215' ? ;' =2)= 3,' 3&63' &)158'
3&)1&3481&**6'45&4'45,'75 *,' &3 3,:A*6'7&3' : ',;'4 'H 8('8('
45,'3&:,'1 (4&?8 23'1)6

"' 083:<4'+,4'4'5' [W'69':41'
1' 8)E4'!6227'96>24' 3*9' ,=,'+,4'D4D444'5'W

4' 83' 45,' (&42),' 9' 3215' , : 48 (3''4 ' =) =~?&4,' &(;' & 4 W X^
8(4,(3896' 45, : 3,*',3' 8(' 1) 7 ; , ;' &33, : A*8,3' 9' : ,(' 5,'
&4 : 3=5,),' 9' 45,' 1 2(18*' 15& : A,)' A,1& : , ' &3' 84' 7 ,),'
15&)?, ;' 7845' 45,'),*8?8 23' 9,)' 2)' , ' *', ;' 9) :' 45,' ,O184, ;' M
(,)' 23' 3634, :' 9' 45,' ,*, ',(' 52(;), ;' 1 2(18**)3' I (;'
75,(' 45,6' 5&;' A, ,(' 4523' =),=&), ;' 9)' 45,'),1,=48 (' 9'&(6'
: (34) 3846' 9' 9&(&48183 : ' 45,' B (9&* (8,),' 1 (1*2;, ;' A83.'
5&)&(?2,' A6' =) = 38(?' 45&4' E,323' 5)834' 35 2*;' A,' 9)45<
7845' ,*,14, ;' &(;' =) 1*&8 : , ;' $8(?' 9' *), (1,' Q
5,' =) = 3848 (' 7&3'),1,8', ;' 7845' ,(45238&3 : ' ' A24' ('
& : 2(4' 9' ,O&*4&48 (' 1 2*;' 52))6' 45,3,' 7)456' ?2&) ;8&(3'
9' 1 (34842 48 (&*' *8A,)46' 24' 9' 45,' 5&A842&*') 248(,' A6'
75815' &*' 45,' 92(148 (&)8,3' 9' 45,' 4&4,' 7 ,),' ,*,14, ;' '
45,' =8 23' 1 2(18**)3' &) 3,'9) :' 45,8)' @(,,3' &(;' =) 1,, ;, ;'
4 ' 5&(;' &A 24' 45,' A&** 4.A O,3' F' (;' 9' 45,' ,*, ',('
52(;), ;' 9' 23' 1 2(18**)3' 75 ' 7,),' 45,),' 8(' 2(18* G'
3&63' 5 (,34' & : A8' F'45,),' 7,),' ,8?54,,(' 7584,' A,&(3' 9'
45 3,' 75 ' 7 2*;' (4'&11,=4' 5)834' 9)' 45,A' @8(? G' J' &)158'
3&63' 45&4' 45,' ;833,(48,(43' 7,),' 47,(46 ' (;' ,?(8 '8(' 583'
*89,' 9' 811 *U' &== (8 9' &998) : 3' 45&4' 47,(46.38O' &;',),3,'
' 4,3' 7,),' ?8',(' F' 4' 83' 34)&(?, G' A3,)',3' 45,' 5834)8&('
8?(448' 7845' &(' & : 238(?Y'&112)&16' 9' * ?81&*' 8(9,),(1,'
F'45&4' (' (,' AH,14, ;' 4 ' 45,' ' 4,' (' 45,' ?) 2(;' 45&4' 84'
(,1,33&)8*6' 32AH,14, ;' 45,' *),(48(,3' 4 ' 45,' H2)83;8148 (' 9'
45,' =, ' &3' 45,' '838A*,' 81&)' 9' 45,' : (&)15' 9' 45,8)'
15 81, G' x' (;' &' 1 : : ,(4&4)' (' &)158' 32??,343' 45&4'
8(' &*' =) A&A8*84MC' 4583' 1 (38;,)&48 (' ;8;' 8(9*2,(1,' 45,' ;83<
3,(48(?' : 8( )846' ' 24' 84' 83' :),' 1 (3834,(4' 7845' 45,' 8;,&3'
&(;' 5&A843' 9' 45 2?54' 9' 45&4' ;&6' 4 ' 32== 3,' 45&4' 45,'
)45 ; O' 45,)6' 9' 45,' =&(&*' = 7,)' (,',)' ,(4,),;' 8(4 '
45,8)' 5,&;3' 9)' &(' 8(34&(4' Y' 5&4' 45,' ?),&4' : &H)846' 9' 45,

Z' 8) E4' !1' !
j' #6>.4@=' 24%6' ,%' 4:6,2,' 855,..4'4=' 534.169' 81'1<6'6.9' ,%'1<6'1<439' +,2*)6
,%'1<6' 536+4, *=2;' A*,169' 69414, .' ,%'<4=' <4=1,3; F'
4' 4>.,114' #1,3' ,=:' 24E' +' :<85' +44

WW' #

(1848>,(3 35 2*; 5&', &*4 ?,45,) ',)* @,; 45, = 338A8*846
/ 45&4 45,8) ,*,148 (9 5)834 :8?54 A, 5,*; 4 8(' *', &(6
3215 1 (3,D2,(1, 83 8(&(6 1&3, &(45,) 1:R 23 =) 9 9
45, ;,?),, 8(75815 45, A835 = 7&3 &*4 ?,45,) ;83),?&);,;
&(; 9)? 44,(8(45, 4,:=)&* 3 ',),8?(A6 45, 4&*8&(3 9
45, 38O4,,(45 1,(42)6

5, A&4, &34),**8 75 3=,&@3 9 &== (8P3 :,&382P,
&3 &(F &44 ;8 98(& = *8481& G ;,1*&),3 45&4 84 7&3 ',)6
3211,3392* 8(1 (18*8&48(? 4 58: 45, :8(;3 9 45, =, =*,M
&(;),:&)@3 7845 &3(,,) &** " " &3 5, 7&3 45&4 F 45,
B (9&* (8,), 7&3 ,O1,,;8(?*6 8(48: &4, 7845 45, 9)8&)3 9
4 &)@ &(; 5&; 45) 2?5*6 7,** *,&)(,; 9) : 45,: 45&4
45, A,34 7&6 4 D28,4 &(8?( )&(4 = =2*&1, 83 4 ,O58A84 4
45,: " #*

5, :,&32), 7&3 (3 (,) ;,18;,; (45&(84 7&3
);,),; 4 A, =24 8(,O,1248 (A6 =*&18(? &(8(31)8=48 (4
45&4 ,99,14 ',) 45, ?),&4 ;) 9 45, O" ")) O'
&(; A6 ,),148(? F 8(45, =*&1, G 3&63 &:A8 F 75815 45,
1 ?(8>&(1, 9 45, $8(? 9)&(1, 9):,)*6 &(; :),
),1,(4*6 45&4 9 =, , 112=8,; 45, &):3 9 2) $8(?
5)834 G

(; 45,), 45, 8(31)8=48 ( ),1);8(? 4583 38(?2*&) &14 9
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Z 8=136224 G3,16 8 24%6 ,% 26D8.963 96@ 694:4 1<6 %43=1 !*H6 ,%
2,36.:6 G<636 1<6 8E,+6 36)83H=); E6 %,*.9

22.6==' ,%' 26)6.1' 0 4=' 261163' 1,' <8326=' 0 4=' 36:,+63;'' 8.9' 36:,.:424814,.' G41<' 1<6')563,3 2,36.14.6' 24,56=' ,%' 36.:<' 849 ' ,336=5,.96.:6' E61G66.' 4::,2,' 855,.4' 8.9' T8:,5,' #82+4814 855,.4' 965,=69' %3,)' 1<6' ,.%82,.4636=<45 26:14,.' ,%' 38.:6=:,' 839*::4' 1,' 1<81' ,:6 #4>.=' ,%' 1<6' 8553,8:<4.>' 9,G.%822' ,%' 2,36.14.6' 24E631; ' ,=414,.' ,%' 1<6' 858:; 6G' 268>*6' E61G66.' 1<6' ,56' 8.9' 1<6')563,3' 3681;' ,%' 8)E384 6.6382' 268>*6' ,%' 96=5,1=' 8>84.=1' 24E631; ' !4+4=4,.=' ,%' 583146=' 4.' 2,36.:6 2,36.:6' =6.9=' 8.' 6)E8==;' 1,' <8326=' 0 3*4126==.6==' ,%' 1<81' =165 61*3.' ,%' 1<6' 8)E8==89,3= ' !681<' ,%' 855,.4' 81' 8=162.*,+, 4=')6614.>' 81' 1<81' 1,G.' G41<' 4:<862' .>62,)52,;)6.1' ,%' 1<6' 281163' ,.' 1<6' %,314%4:814,.=' ,%' 2,36.:6 4=' 13*6' 58134,14=) 81=' E6>4.' 1,' 314.' %3,)' 1<6' %8224.>' <,*=6 424E631,' 34.:6' ,%' 38.>6' >6.6382' %,3' 1<6')563,3' 8>84.=1' 2,36.:6 ;' 1<6' ,56@=' 96=436' <6' ,E184.=' 63*>48' %3,)' 82816=18' 8>24,.4' E;'.6>,14814,. 8>24,.4':<,=6.'1,' E6'>6.6382',%'1<6' 2,36.B 14.6'%,3:6= .%8),*=':,.9*:1',%'1<6'!*H6',%' 633838 <6')53*.618' 043>4.' E3,*><1' 1,' 2,36.:6FD 68=*36=' %,3' 384=4.>'),.6; %,3' +4:B 1*8224.>'1<6':41; %,3' 36=1384.4.>'94=8%%6:169' 53,+4.:482' :4146= ,839' ,%' 94:181,3=' 855,4.169 4=:<46%=' 834=4.>' %3,)' 1<81' 53,+4=4,. 5524B :814,.=' %,3' 8==4=18.:6' 1,' 06.4:6 ,56' 26)6.1@=' 3652;' 1,' 8.' 6.+,;'=6.1' 1,' <4)' %3,)' 2,36.:6 !4%%4:*21;',%':,))*.4:814,.' E61G66.' 2,36.:6' 8.9' 06.4:6 '!4=8%%6:14,.' G41<4.' 1<6' :41; 336=1' ,%' 94=8%%6:169' :41476.=' D6:*14,.' ,%' ,.6' ,%' 1<6) '06.6148.' 8)E8==89,3=@ 8::,*.1' ,%' 1<6' %43).6=' ,%' 1<6' 2,36.14.6= ,))6.:6)6.1' ,%' 1<6'=46>6' ,%' 2,36.:6

' 45,' ,&)*6' 3=)8(?' 9' 45&4' :83,)&A*,' 6,&)' # ' 48;8(?3'),&15,;' *),(1,' 75815' *8@,' &' 4)&(38,(4' ?*,&:' 9' 32(358(,' 8(' &' 34):.*&;,(' 3@6' 7 (;,)92**6' HM&83,;' 45,' ;) =8(?' 3=8)843' 9' 45,' 1848>,(3' &(;' 3,,:,;' 4' =) :83,' 45&4' 45,),' :8?54' 6,4' A,' &' 5 =,' 9' ,31&=,' 9) :' 45,' =,)8*3' 75815' ,('5 (,;' 45,:' *,:,(4' 3 (' &94,)' 583'),4:' 9) :')'8,4' 4' :,'8(/ 14 A,)' 9' # ' 9,**' 8**' &(;' 8(' 45,' 3=)8(?' A,1&:,' 3' :215' 7)3,' 45&4' 5,' 7&3' &*: 34' ?8',(

U [# =563818&(3 5,6&44)8A24,;583 :&*&;6 4 45, 8(4,(3,A ;8*6&(;:,(4&* 3299,)8(?75815 5,5&;2(;,)< ? (,;2)8(?583 8)(=)83 (:,(4 8(45,1&34*, 9 4 (?,* &(;583 32A3,D2,(4 :83,)&A*,),38;,(1,&4)'8,4 , A,*8,',;58:3,*9 4 A,;68(?M &(; 9&84592* 4 45,)2*8(? =&338 (9)45,&??)&(;8>,:,(4 9 583 9&:8*6 5,:&;, 9) :583 ;,&45A,;&3 5,45 2?54 45,A 6 == *84 &&);8(&*M &(;7)) 4,45,9 ** 78(?*,44,)4 5&)*,3 L =) A&A*645,:34 38(1,),5,5&;',',)=,((,;L (A,5&*9 9 *,33&(;) 75 :5,3,(4 7845 84 4 45, :=,)) F 9 84 83 45,=*,&32),9 45,;8'8(, &H,346 G 7)84,3 45, &==&),(4*6;68(? (4899 F4 4&@,:,583 :83,)&A*,3,)< '&(4 4 58:3,*9),1 :,(;4 6 2) 3 ',),8?(= 7,) 4583 :6,O8*,;(,=5,7 3,,8(?45&4 &:2(&A*,&(6* (?,) 4 9)7&);583 8(4,),343 A6 :8(, 7(9)1,3 4 83 :6 ,&)(,34 =)&6,) 45&4 6 2 78**),34),5 8:4 45&4 34&48 (75815 5,H234*6= 33,33,;&(;75815 5&3A,,(4&@,(9) :58:A6 45,7) (?92* &143 9 45,)3 ,4 6 2)=,)9):&(1, 9 4583 ? ;;,,;3,)',&3&(&4 (,:,(4&(;),1 :=,(3,J 9)&** 45&4 6 2 7,4 :6 ;8?(846 &3@ (458(? 92)45,) 9) :6 2M &(; ?8',6 2 :6 =&4,)(&* A,(,;8148 (G9 5,23, 9 45,=5)&3,F(,=5,7 G 8(4583*,44,) 83 7)456 9 (4, 4 83 4)2,45&4 45,7);F(,= 4,G 83 :215 :),* 3,*6 23,;A6 45, 4&*8&(3 ,3=,18&**6 9 45&4 48 :,45&(843 ,D28'&*,(4 83 A6 23 24 84 7 2*;3,,:4 A,A,6 (;&** =) A&A*,*8:843 9 3215 '&?2,(,33 9 *&(?2&?,9) *,:,(4 4 4,))& *,33&(;) 583 F(,=5,7 G (45,56= < 45,383 45&4 5,7&3 45,3 (9),(> 2@,9 9A8( ) 583),&*),*&48 (358=4 45, (4899 8(45&4 1&3,**,&'8(? 24 9 1 (38;,)&48 (45,8**,?848:&16 9 A 45 =&)48,3 7 2*;A,45&4 5,7&3 45, ?)&(;3 (9 45, =,P3 98)34 1 238(24 45,=5)&3, & F =,P3 (,=5,7 G 7&3 &(&*: 34),< 1 ?(83,;,2=5283:9) & F =,P3 3 (G (;84 3,,:3

64816>38)6*1,(1 8=136224 418 94 26==8.93,5 UW

:),' *8@,*6' 45&4' *, : ,(4' 4523' 7)848(?' &3' 5,' 45 2?54' 9) :' 583' ;,&45A,;' : ,&(4' 45,C' :=,))' 4 ' 2(;,)34&(;' 75&4' 45,),' 83' ,',)6'),&3 (' 4 ' A,*8,',' 7&3' 45,'),&*' 4)245' 45&4' 45,' A,&),)' 9' 45,' *,44,)' 9'),1 : : ,(;&48 (' 7&3' 8(;,,;' 583' 3 (' == *84 ' &3' A,8(?' 45,' 3 (' 9' &' 98)34' 1 238(' 9' *, : ,(4' 7&3' (,&),)' 8('),*&48 (358=' 4 '58 :' 45&(' *,33&(;) ' 32== 38(?' 45,' *&44,)' 4 ' 5&',' A,,('45,' 3 (' 9'),(> ' 2@,' 9')A8(' (;' == *84 ' 7&3' :), ',)' 45 2?5' ('=&)&< ? (' 9' ,O1,**,(1,' &' 9&)' :),' =) :838(?' 32AH,14' 45&(' 45,' 75 **6' 7)45*,33' *,33&(;) ' 0 56' 45,(' 7&3' 45,' *&44,)' 15 3,('4 ' A,' 45,'),=),3,(4&48',' 9'45,' 9& :8*6' ?),&4(,33' &(;' & :A848 (' 89' 84' 7,),' (4' 45&4' 5,' 8('),&*846' 34 ;' (,&),)' 4 ' 45,' (4899b' e

' ',)6' 1 (98;,(4*6.&9* 8) : ,;'),=)4'),&15,;' *),(1,' 8(' &)15' 45&4' 45,' =,' 7&3' ;,&;' (;' 45,'),H 818(?' 1&23,;' A6' 45,' (,73' 8(' 45,' 1846' 3&63' &)158 J' 7&3' A,6 (;' &**' A,*8,9' ,(81,' &*3 ' &(;' : &(6' 45,)' =*&1,3' ;8;' (4' 31)2=*,' 4 ' 35 7' 45,8)' H 6' (' 45,' 11&38 (' 24' 75,('45,' 48;8(?3' 35)4*6' 1& : ,' 45&4' 8(34,&;' 9' ;68(?' 45,' (4899' 5&;'),< 1 ',),;' &' ;,,=,)' ?* :' 45&(' ,',)' 3,44*,;' ; 7(' 2= ('45,' 1846' (;' 45,' 8**' (,73' 7&3' 35)4*6' 9 ** 7,;' A6' 45,' 6,4' :),' &*&) :8(?' 8(4,**8?,(1,' 45&4' :&(89,34' 38?(3' 7,),' 4 ' A,' A3,)',;' 9' &' 1 :8(?'),1 (18*8&48 ('A,47,,('58 :' &(;' 45,' :=,))' 215' &(' ,',(4' 45,' =) A&A8*846' 9' 75815' &3' 84' (7' &==,&)3' 84' 5&);*6' (,,;,;' &(6' ',)6' =) 9 2(;' = *8481&** 3&?&1846' 4 ' 9),3,,' 7&3' &**' 45&4' 7&3' 7&(48(?' 4 '),(;,)' 45,' = 3848 (' 9' *),(1,' 7,**' (8?5' ;,3=,)&4,

5,' (*6'),:&8(8(?' 5 =,' 7&3' 8(' 45,' &*5&(1,' 7845')&(1,' (;' 45 3,' 75 ' 5&;' 3211,,;,;' 8(' 1&238(?' 45&4' *8(,' 9' = *816' 4 ' A,' &; =4,;' A6' 45,' : : (7,&*45' :&6' 5&',' =) A&A*6' 45 2?54' 45&4' 45,' 8 : :8(,(4'),1 (18*8&48 (' A,47,,('45,' =,' &(;' 45,' :=,))' 7&3' 45,' H2348981&48 (' 9' 45,8)' =8(8 (' 4' 7&3' 6,4' ('45,' 1&);3' 45&4' 84' :8?54' =) ',

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4 ‘ A,‘ 3 ‘)&(1,‘ 7&3‘ 348**‘ &33,)48(?‘ 5,)‘ 1*&8:‘ 4 ‘ 45,‘ @8(?; :‘ 9‘ &=*,3‘ 24‘ :&44,)3‘ 5&;‘ A,,(‘ ? 8(?‘ ',)6‘ A&;*6‘ 7845‘45,‘),(15‘&):8,3‘8(‘45,‘3 245‘ 9‘ 4&*6‘;2)8(?‘ 45,‘,(48),‘ =),'8 23‘ &242:(‘ (;,)‘45,‘1 : :&(;‘ 9‘45,‘ &)15,3,‘ ;8‘ &*2>> ‘ 45,6‘5&;‘ A,,(‘ ,(48),*6‘ ;,9,&4,;‘ A6‘ 45,‘ :=,)8&*8343‘ 2(;,)‘45,‘)8(1,‘ 9‘)&(?,‘ (‘45,‘ '"‘45‘ 9‘ 2?234‘ # ‘ 5,‘ &)`15&*‘;,‘ &24),1‘45,8)‘=),'8 23‘ 1 : :&(;,)‘5&;‘ ;8,;‘ 9‘45,‘ =,348*,(1,‘ &‘9,7‘;&63‘ A,9),‘ 45&4‘9&4&*‘ A&44*,‘ 5,‘),:&8(3‘ 9‘45,‘ &(;,‘ ,),‘45 3,‘ 1,*,A)&4,;‘ 1 :=&(8,3‘ 9):,;‘ A6‘ B8 '&((8‘ ;,P ,;818‘ 75815‘ 5&;‘ A,,(‘ 3,(4‘ A6‘ 45,‘ *),(48(,3‘ 2(;,)‘)&>8‘ &?*8 28‘&3‘45,8)‘1 (4)8A248 (‘4 ‘45,‘9)1,3‘ 9‘45,8)‘),(15‘ &**6‘5&;‘&4‘45,‘3&:,‘48:,‘A,,(‘,(48),*6‘;,34) 6,;‘ 5,),‘ 7&3‘8(;,,;‘*844*,‘4 ‘A,‘5 =,;‘9) :‘45,‘=) 4,148 (‘ 9‘)&(1,‘ 2(;,)‘45,3,‘18)12:34&(1,3‘ 24‘45,‘ : : (7,&*45‘5&;‘ 6,4‘4 ‘ ;831 ',)‘5 7‘244,)*6‘&(;‘5 =,*,33*6‘'&8(‘7&3‘45,8)‘ 4)234‘8(‘),(15‘9)8,(;358=‘)‘8(‘),(15‘5 (2)‘ 0,‘5&',‘ (7‘),&15,;‘ &)15‘ # ‘ (;‘9)‘6,4‘45),,‘)‘9 2)‘ :(453‘* (?,)‘45,‘A,9 *,;‘ *),(48(,3‘7,),‘&A*,‘4 ‘;,*2;,‘ 45,:3,*',3‘ 7845‘45,‘5 =,‘45&4‘45,8)‘ &**8&(1,‘7845‘45,‘),(15‘@8(?‘:8?54‘A,‘45,‘:,&(3‘ 9‘3&'8(?‘45,:‘9) :‘45,‘ =,‘&(;‘45,‘ :=,))

(‘45,‘9 ** 78(?‘ : (45L45,‘ =)8*‘ 9‘ # L &(‘8(18< ;,(4‘ 112)),;‘75815‘*8@,‘ &‘ 3=&)@‘9&**8(?‘ (‘?2(= 7;,)‘ 45),7‘&**‘45,‘1846‘8(4‘1 : : 48 (‘&(;‘92)(835,;‘&(‘ ==)< 42(846‘45&4‘ ,(&A*,;‘45,‘34,)(,)‘&(;‘ :),‘45) 2?5.? 8(?‘),=2A*81&(3‘4 ‘124‘&7&6‘45,‘*&34‘ :,&(3‘ 9‘1 : :2(81&48 (‘ A6‘75815‘&(‘&11 : : ;&48 (‘7845‘45,‘ (4899‘:8?54‘5&',‘ A,,(‘6,4‘= 338A*,‘ 5,‘ ,0184,;‘&(;‘9,',)835‘34&4,‘ 9‘45,‘ =2A*81‘ :8(;‘8(‘45,‘1846‘83‘34)8@8(?*6‘8(;81&4,;‘A6‘45,‘ '8 *,(4‘,A2**848 (‘75815‘45,‘18)12:34&(1,‘1),&4,;‘ 4‘1 34‘ 45,‘B (9&* (8^),‘583‘=*&1,‘‘ &(;‘5&;‘84‘(4‘A,,(‘9)‘ &‘ ',)6‘ ?,(,)&*‘9,,*8(?‘ 9‘),3=,14‘9)‘45,‘:&(‘H 8(,;‘4 ‘583‘78;,*6.‘ 3=),&;‘ 9&:8*6‘8(9*2,(1,‘ &: (?‘45,‘ (A*,3‘ &(;‘ =,)3 (&*‘ 8(4,),34‘&: (?‘45,‘ 8&?((8‘84‘7 2*;‘5&',‘1 34‘58:‘583‘*89,

5,' ?,(,)&* 4,(;,(16' 9' &== (8P3' :8(;' &(;' = *816' 2R
5&3' A,,(' 3,,(' ;,)&4,' &(;' 1 (18*8&4)6' A6' 4,:=,)&< W X
:,(4' &(;' &**8,;' A6' A* ;' &(;' A6' 1*&33' &33 18&48 (3' 89' (4'
A6' 9)8,(;358=' 7845' : 34' 9' 45,' &)834 1)&16' =9' 45,' 1846' 84'
5&;' A,,(' 583' 1 (34&(4' AH,14' 4 ' =) 4,14' &3' 9&)' &3' 5,' 1 2*;'
3&9,*6' ; ' 3 ' 45,' =&)483&(3' 9' 45,' ,;818' 9) :' 45,' '8 *,(4'
5&4),;' 9' 45,' = =2*&)' =&)46' &(;' 4 ' : ;,)&4,' 45,' *8(,' 9'
1 (;214' =2)32,;' A6' 45,' 1846' 4 7&);3' 45,' =,' 3 ' &3' 4 '
&' 8;',O&3=,)&48(?' 58:' :),' 45&(' 1 2*;' = 338A*6' A,' 5,*=,;'
&(;' 4 ' @,,=' =,(' &4' *,&34' &' = 338A8*846' 9' (,? 48&48 ('
811 *A' &== (8' 7&3' (4' 9):,;' 9' 45,' :&4,)8&* 9) :'
75815' :&)46)3' &),' :&;,' &(;' 5&;' &332),;*6' ('8(4,(48 (' 9'
A,1 :8(?' (,' ,845,)' (' 45,' 38;,' 9' 9),,; :')' (' 45&4' 9'
46)&((6' 24' 45,),' 83' ,',)6'),&3 (' 4 ' 458(@' 45&4' 583' '8,73'
9' 45,' = *816' : 34',O=,;8,(4' 9)' 45,' 1846' 7,),' H2;818 23' M
&(;' 45,),' &),' ('),&3 (&A*,' ?) 2(;3' 9)' 348?:&48>8(?' 58:'
&3' &' 4)&84)' &3' 3 :,' 9' 45,' 5834)8&(3' 5&',' ; (,')' 9)'
; 2A48(?' 45&4' 5,' 7&3' 8.D4,*= 4 ' 3,)',' 45,' 8(4,),343' 9' 583'
1 2(4)6' A6' &(6' :,&(3' (4' 8(' *'8(?' 4 ' ?),&4' &' 3&1)8981,' 9'
583' 7(' 24' 5,' 7&3' 9) :' 3 18&* = 3848 (' 9) :' 583' &(4,<
1,;,(43' &(;' 9) :' 583' 4,:=,)&:,(4',O&14*6' 45,' :&(' : 34'
32),' 4 ' A,' 5&4,;' &(;' 323=,14,;' A6' 45,' *,&;,)3' 9' &' '8 *,(4'
= =2*&)' =&)46' &(;' *,&34' &A*,' 4 ')2*,' &(;' ?28;,' 45,' ',33,*'
9' 45,' 34&4,' &: (?' 45,' 758)*= *3' 1&23,;' A6' = =2*&)'
=&338 (3

7' &== (8' 5&;' :&8(4&8(,;' 7845' (' 45,)' '8,7' 84'
35 2*;' 3,,:' 45&(' 45&4' &A ',' 8(;81&4,;' &' 1)),3= (;,(1,'
7845' E&1 = ' &*'8&48' &(' &;5,),(4' &(;' 9&:8*6' 1 ((,148 (' 9'
45,' (4898 K' 75' 5&;'),:&8(,;' (,&)' *,:,(4P3' =,)3 ('
&(;' 7&3' :215' 8(' 583' 1 (98;,(1,' (' 45,' 45' 9' =)8*'
' 45,),' 7&3' &' :,,48(?' 9' 45,' 8?( )6' &4' 75815' 45,'
B (9&* (8,),' 7&3' 34) (?*6' 2)?,;' 4 '),38?(' 583' 92(148 (3' A6'
45,' :),' 45) 2?5.? 8(?':,:A,)3' 9' 45,' ? ',)(:,(4' 75

E&1 = ' &*'8&48' 5&;' :&))8,;' 21),48&' &' 3834,)' 9' , '%

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‘ ;,,:,;‘ 583‘ *2@,7&):‘),=2A*81&(83:‘ 4),&3 (‘ 4 ‘45,‘ :.‘ : (7,&*45‘ ,‘ 5&;‘ 9 2?54‘ 45,:‘ 99‘ ;2)8(?‘ &‘ * (?‘ &(;‘ 34):6‘ :)(8(?‘ 38448(?‘ M &(;‘ 75,(‘ 45,6‘ :,4‘ &?&8(‘ &94,)‘ 32==,)‘ 5,‘ 1 (4)8',;‘ 4 ‘ 112=6‘ 45,‘ ,',(8(?‘ 7845‘ 45,‘ ;83< 12338 (‘ 9‘ '&)8 23‘ ;,3=&415,3‘ 9) :‘ 45,‘ : :833&)8,3‘ &(;‘ :A&33&;)3‘ 9‘45,‘ ,=2A*81‘ 24‘ &3‘ 8**‘ *21@‘ 7 2*;‘ 5&',‘ 84‘ 8(‘ 4&@8(?‘ 45,3,‘ 9) :‘ 583‘ = 1@,4‘ 5,‘ ;),7‘ 9)45‘ 7845‘ 45,:‘ &‘*,44,)‘ 9) :‘ (,‘ B58&158(44‘ ,))&?*8‘ &‘ 9)8,(;‘ &(;‘ &?,(4‘ 9‘ &*'8&48M‘ &(;‘ 7845 24‘ =,)1,8'8(?‘ 84‘ *,4‘ 84‘ 9&**‘ A,(,&45‘ 45,‘ 4&A*, J‘ &)*6‘ 45,‘ (,O4‘ :)(8(?‘ 5,‘ A,1&:,‘ &7&),‘ 9‘583‘* 33‘ &(;‘ 5&348*6‘ 3,(4P&‘ :,33,(?,)‘ 4 ‘45,‘) :‘ 8(‘ 75815‘ 45,‘ 2(18** 5&;‘ :,4‘ 4 ‘ * @‘ 9)‘ 84‘ 5,‘ :&(‘ 9 2(;‘ 84‘ &(;‘ 7&3‘ 1&))68(?‘ 84‘ 4 ‘45,‘ B (9&* (8,),‘ 75,(‘ 5,‘ 15&(1,;‘ 4 ‘ :,,4‘ E&1 = ‘ B5,)&);8‘ (,‘ 9‘ 45,‘ 2(18** : 34‘ 5 348*,‘ 4 ‘ &== (8‘ ,‘ 4 @‘ 45,‘*,44,)‘ 9) :‘ 45,‘ 3,)‘&(4‘ 3&68(?‘ 45&4‘ 5,‘ 7 2*;‘ 58:3,*9‘ 1&))6‘ 84‘ 4 ‘45,‘ B (9&* (8,),‘ A24‘ 5&;‘ (‘ 3 (,)‘ &31,)4&8(,;‘ 843‘ 1 (4,(43‘ 45&(‘ 5,‘ 1 :< :2(81&4,;‘ 45,:‘ 4 ‘ &**‘ 45,‘ : 34‘ '8 *,(4‘ :,:A,)3‘ 9‘ 45,‘ ,O4),:,‘),=2A*81&(‘ =&)46

5,‘ : 34‘ 8(38;8 23‘),=)43‘ 7,),‘ 3=),&;‘ *8@,‘ 78*;98),‘ 45) 2?5‘45,‘ 4 7(‘ &(;‘ 84‘ A,1&:,‘ (,1,33&)6‘45&4‘ 45,‘ B (< 9&* (8,),‘ 35 2*;‘ A,‘ 4)8,;‘ 9)‘ 58?5‘ 4),&3 (‘ B5,)&);8‘ 2)?,;‘ 45&4‘ 5,‘ 35 2*;‘ A,‘ =24‘ 4 ‘45,‘ D2,348 (‘ A6‘ 4)42),‘ 24‘ 45,‘ :&H)846‘ 9‘ 45,‘ 2(18**),H,14,;‘ 45,‘ &4) 18 23‘ =) = 3848 (

5,‘ *,44,)‘ 75815‘*,;‘ 4 ‘ 3215‘ ;83&34) 23‘ 1 (3,D2,(1,3‘ 83‘ ?8',(‘ A6‘ &)158‘ 1 =8,;‘ &3‘ 5,‘ 3&63 9‘ : 34‘ 9&84592**6‘ 7);‘ 9)‘ 7);‘ 4‘)2(3‘ 4523‘

3‘ 4 ‘ !!)) ‘,41 L ‘ 5&',‘),1,8',;‘ 6 2)‘ O1,*< *,(16P3‘*,44,)3‘ 9‘45,‘ "45‘ 2*4 ‘ &(;‘ ‘ =,)1,8',‘ A6‘45,:‘45&4‘ 47 ‘ ;,3=&415,3‘ 9‘ :6‘*,44,)3‘)5&',‘ :831&))8,;‘ &(;‘ 4523‘ 2(;,)34&(;‘ 45,‘),&3 (‘ 9‘ :6‘(4‘ 5&'8(?‘ 5,&);‘ 9) :‘ 6 2)‘ O1,**,(16‘ 9)‘3 :,‘ 48:,‘ &4‘ 75815‘ ‘ 5&;‘ A,,(‘ 32)=)83,;

Z‘ 4114‘ =1,3‘ 4,3‘ 85*9‘ 3:<4+‘ #1a3‘ 182 ‘+,4‘ 4‘ 5‘ WYU‘ 1‘ #1,348‘ 4,36.14.8‘+,4‘ 4‘ 5‘ #U ‘ 69‘ ,41

' 1 (3 *,' :63,*9' A6' 4A,' @(7*,;?,' 45&4' 8(4 ' 75&43 ,',)' 5&(;3' 45,6' :&6' 5&',' 9&**,('45,6' 78**' A,' 9 2(;' 4 ' 1 (4&8('(458(?'&;',)3,' 4 ' 6 2)' = =2*&)P1 (34842 48 (' ',&)(,34*6' A,?' 45&4' ' :&6' 5,&)' 9) :' 6 2)' O1,**,(16' 24' 89' A6'),&3 (' 9' =),33' 9' A238(,33' 4583' 83' (4' = 338A*,' *,4' 8,) 'J' 7)84,' :,'&'*8(,' 75815' 78**1 :,' 4 ' 45,' 3&:,' 458(?' 5,' =,' 5&3' A,,('4 .;&6' &4' ,*',;,),' &(;' 45,' 9)4),33,3' 5&',' A,,('?8',('2=M &(;' 45,' &AA 4' 9' &)9&' 34&)43' 4 .;&6' 9)')&148&(' 0 ,' 35&**3,,' 75&4' 78**' A,' 45,' 3,D2,*' ' 5&',' 4583' ;&6' 3= @,('7845' 45,' =,' &(;' 7845' 2)' 9)8,(;'9' &(;' 45,6' 1 2*;' (4' A,' :),' 9&' 2)&A*6' ;83= 3,;' 45&('45,6' &),' 4 7&);3' 45,' *8A,)46' &(;'= =2*&)' ? ',)(:,(4' 9' *),(1,' ' :215' 7835' 4 ' 3=,&@' 7845' 6 2)' 3 (' 8,) ' ('&('8:=)4&(4' :&44,)M &(;' ' 7 2*;' &;'83,' 45&4' 5,' 35 2*;' =&33' 45,' 9) (48,)3' 3,1),4*6' *,34' 5,' 35 2*;' A,' 323=,14,;' 9' 8**.; 8(?' 758*,' 8('4)245' &148(?' 7,**' ' 5 =,' 4 ' 45&4' 5,' :&6' A)8(?' 7845' 58:' 3 :,' ;,1838',' ;,4,):8(&48 (' &(;' 45&4' 35)4*6'H 9)' 48:,' 83' =),338(? G

& * ' B8 '8 ' ?8',3' 8(' 583' 5834)6' &' ',)6' ;899,),(4' &(;' 9& ' :),' 1 :=) :838(?' ',)38 (' 9' ,))&?*8P3' *,44,)' B8 '8 ' 5 7,',)' &3' 83' 7,** @(7(' 83' &(' &245)846' 9' ',)6' *844*,' 7,8?54' ('&(6' 32AH,14' (;' &)158' 75 ' 5&3' *,94' &' 4)&14' F' ('45,' 5834)81',)))3' 9' B8 '8 G' 3&63' 8('84' 45&4' 45,' *,44,)' ?8',('A6' 45,' 835 =' 9' :' &3' 45&4'),1,8',;' A6' &== (8' 5&3' *844*,')' ('),3,:A*&(1,' 4 ' 45,' 4)2,' (,' 24' 84' 83' 34)&(?,' 45&4' ,?(8' 75 ' 7) 4,' 583' F 89,' 9' &== (8G' ,O=),33*6' 4 ' ;,9,(;'&(;'H234896' 583' = *8481&* 1 (;214' 35 2*;' 3&6' 8(' 84' 45&4' B8 '8 P3' ',)38 (' 9' 45,' *,44,)' 83' &112)&4,*6' 1)),14' 5,),' 83' 5 7,',)' ' 458(@' *844*,' ; 2A4' 45&4' &)158P3' &11 2(4' 83' 45,' 4)),' (,' ,' 7) 4,' :215' (,&),)' 45,' 48:,' 75,('45,3,' 4)&(3&148 (3' 112)),;M &(;' 45,' *,44,)' &3' ?8',(' A6' 58:' 83' &' :215' :)' *8@,*6' (,' 4 ' 5&',' A,,('7)844,(' 2(;,)' 45,' 18)12:34&(1,3' 45&(' 45&4'),=)4,;' A6

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4 ! W X ,?(8‘ 5,‘ *&44,)‘ 5834)8&(‘ :), ‘,)‘ 5&3‘ A,,(‘ ?28*46‘ 9‘ &(‘ 8(&112)&16‘ 7 5815‘ =) ‘,3‘ 58 :‘ 4 ‘ 5&‘,‘ 7)844,(‘ 1&),*,33*6‘ (‘ 45,‘ 32AH,14‘ (‘ 583‘ *),(48(,‘ 5834)6‘ 5,‘ 3&63‘ 45&4‘ &== (8),1,8‘,;‘ 45,‘ *,44,)‘ (‘ 45,‘ # 45‘ 9‘ &)15M‘ 758*,‘ 8(‘ 583‘ *89,‘ 9‘ &== (8‘ 5,‘ 3&63‘ 45&4‘ 84‘ 7&3‘ 7)844,(‘ (‘ 45,‘ -45‘ 9‘ =)8*‘ &(;‘),1,8‘,;‘ (‘ 45,‘ -45

4‘ 7 2*;‘ 3,, :‘ ;899812*4‘ 4 ‘ 98(;‘ 8(‘ 4583‘ 9& : 23‘ *,44,)‘ &3‘ &)158‘ ?8‘,3‘ 84‘ &(6‘,‘8;,(1,‘ (‘ 75815‘ 4 ‘ A&3,‘ &(‘ &1123&< 48 (‘ 9‘ 4),&3 (‘ 2(*,33‘ 8(;,,;‘ 45,‘ :,),‘ 9&14‘ 9‘ 1)),3= (;8(?‘ 7845‘ &(6‘ &;5,),(4‘ 9‘ 45,‘ =,‘ 7&3‘ 4 ‘ A,‘ ;,,:,;‘ 4),&3 (‘ 5,‘ 4)245‘ =) A&A*6‘ 7&3‘ 45&4‘ *,:,(4‘ 7&3‘ ;,1,8‘ 8(?‘ &*.‘ 68&48‘)‘ 89‘ (4‘ &*‘ 8&48‘ &4‘ &** ,‘,(43‘ &== (8‘ &(;‘ 45,‘ 45,8 3‘ 75 ‘ 7,),‘ 8(1*8(,;‘ 4 ‘ 5 =,‘ 45&4‘ 45,‘ ;899,),(1,3‘ A,47,,(‘ 58 :‘ &(;‘ 45,‘ 1846‘ :8?54‘ 6,4‘ A,‘ 1 := 3,;‘ &3‘ 4 ‘ 583‘ =*&(3‘ &(;‘ 8(4,(48 (3‘ 9)‘ 45,‘ 9242),‘ 4‘ 7&3‘ D284,‘ 8(‘ &11);&(1,‘ 7845‘ 583‘ 15&)&14,)‘ &(;‘ 232&** = *816‘ 4 ‘ ,(;,&‘ 2)‘ 4 ‘),1 ‘,)‘ 45,‘ ?) 2(;‘ 5,‘ 5&;‘ * 34‘ A6‘ :&@8(?‘ 45,:‘ A,*8,‘,‘ 45&4‘ 5,‘ 7&3‘ 78**8(?‘ 4 ‘ &11,;,‘ 4 ‘ &‘ ‘,)6‘ :215‘ *&)?,)‘ ;,?),,‘ 9‘ *8A,)46‘ 45&(‘ 5,‘ ‘,‘)‘ 8(4,(;,;‘ 4 ‘ 4 *,)&4,‘ =,):&(,(4*6‘ 1‘ 1&((4‘ A,‘ ;,(8,;‘ 5 7,‘,)‘ 45&4‘ 45 3,‘ 75 ‘45 2?54‘ 84‘ ;&(?,) 23‘ 4 ‘ 4),&4‘ 7845‘ 58 :‘ (‘ &(6‘ 4,):3‘ 5&;‘ & :=*,‘ ?) 2(;3‘ 9)‘ 45,8)‘ =8(8 (‘ 24‘ (‘ 15 81,‘ 7&3‘ =,(‘ 4 ‘ 45,:‘ 3&‘,‘ (,‘A,47,,(‘ 45&4‘)83@‘ &(;‘ 45,)3‘ ‘581*8 &== (8‘ &(;‘ 583‘ 9)8,(;3‘)8?54*6‘ =,)5&=3‘;,,:,;‘ 348** :),‘ &*&):8(?

5,‘ B (9&* (8,),P3‘ *89,‘ ‘&3‘ 7845‘ :215‘ ;899812*46‘ 3&‘,;‘ 24‘ 5,‘ 7&3‘ ;,= 3,;‘ .9‘ 38.:6=:,‘ 839*::4‘ &‘ 2689633 9‘ 45,‘ F‘))&AA8&48‘ G‘)‘ ‘8 *,(4‘ ;,: 1)&481‘ =&)46‘ &(;‘,3=,< 18&**6‘ 45&4‘ =)48 (‘ 9‘ 84‘ == 3,;‘ 4 ‘ 45,‘ 9 ** 7,)3‘ &(;‘),< *8?8 23‘ 4,&158(?‘ 9‘ &‘ (&) *&.7&3‘,*,14,;‘ (‘ 45,‘ N45‘ 9‘ =)8*‘ # ‘ 5,‘(1 ‘‘ :&?834)&4,‘45 2?5‘ 58 :3,*9‘&‘ ‘8 *,(4‘ :&(‘&(;‘45,‘*,&;,)‘ 9‘&‘=&)46‘75 3,‘ ‘8 *,(1,‘&(;‘)&35(,33‘ :&;,‘ 84‘ *844*,‘ 9844,;‘9)‘ ?28;8(?‘45,‘ ,=2A*81‘45) 2?5‘45,‘ ;899812*48,3‘ 9‘45,‘34):6‘48 :,3‘ (‘ 75815‘84‘ ‘&34 ‘,‘8;,(4*6‘ &A 24‘ 4 ‘ ,(4,)‘ 7&3‘ 84‘ 35 2*;‘ 3,,:‘ &‘ :&(‘ 9‘ 8(4,?)846

4&*,(4' &(;' '8? 2)' 21*8' &(' &== 8(4:,(4' 5 7,',)' 7&3' &' (,7' ;,98&(1,' 4 ' *,:,(4' 45' =&)48,3' 9,*4' 84' 4 ' A,' 3 ' &(;' 7,),' 1 ('8(1,;' 5,(1,9)7&);' 45&4' &):3' &* (,' 1 2*;' ;,18;,' 45,' D2,348 (' A,47,,(' 45,:

A) &;' 45,' ;)&:&' 7&3' 52))68(?' 4 ' 843' 1&4&34) =5,' 5,' 9&4&*' 4,):' 9' 4&*8&(' &3' 7,**' &3' *),(48(,' *8A,)46' 7&3' (7' (,&)' 4' 7&3' 45,' *&34' 32(3,4' 5 2)' A,9),' 45,' * (?' (8?54' 9' 45),,' 52(;),;' 6,&)3M' &(;' 45&4' 32(' 7,(4' ; 7(' 8(' *2)8;' A* ;.),;' 1* 2;3' &(;' &:8;' 38(834,)' =)4,(43')' 4&*6' &3' 7,**' &3' 9)' *),(1,' 45&4' F' : 34'),=2A*81&(' 9' &**'),=2A< *813 G' *89,' &(;' 5 =, L C45,' 5 =,' 9' 8:=) ',:,(4' &;'&(1,<:,(4' 3 18&*' :)&*' &(;' 8(4,**,142&* L 45,' = 338A8*846' 9' ?,(,) 23' &3=8)&48 (3' 4 ' &' (A*,)' *89,' 9' ? ;' 7)@' 4 ' A,' ; (,' &(;' 5&);6' 5,&)46' '8)42,3' 4 ' A,' 9 34,),;' 8(' 45,' ; 8(?' 9' 84 L &**' 4583' 7&3' 7&(8(?' * 7' 9)' &**' 4&*6' &3' 7,**' &3' 9)' *),(1,')' *),(1,' 5&;' A,,(' 7845' &**' 843' (2:,) 23' &(;' 3&*8,(4' 9&2*43' 45,' 7,**.5,&;' 9' = *8481&*' *89,' &(;' 3 18&*' 8(4,**8?,(1,' 75,(1,' 5&;' 48:,' A,,(' &** 7,;' 45,'),34' 9' 45,' =,(8(32*&' :8?54' 5&',' A,,(' 18'8*8>,;' 458(?' A24' 45,' 4 4&*' ,O48(148 (' 9' *8A,)46' 1 2*;' 5&',' 3,12),;' 4 ' 45,' &=&16' 45),,' 52(;),;' :),' 6,&)3' 9' ,O834,(1,' &4' *,&34' 8(' 4&*6' 43' ;,34)2148 (' 84' Y83' 4)2,' :&;,' (' ;,1*&),;' &(;'),1 ?(83,;' =)48 (' 9' 45,' =) ?)&:: ,' 9' &(6' = *8481&*' =&)46' '45,(',O4&(4' 24' 45,),' 7,),' 38?(3' 9' 45,' 48:,3' &(;' :,(P3' :8(;3' 7C,),' :'8(?' 8(' &' ;8),148 (' 75815' 8(;81&4,;' 1*,&)*6' ,(2?5')' &4' *,&34' 8(;81&4,' 4 ' 23' 75 ' &),' ,(&A*,;' 4 ' 4&@,' &' 36(=481&*' '8,7' 9' 45,' 98,*;' 9' &148 (' 45&4' 45&4' : 34' : (34) 23' &(;' : 34' 3211,3392*' 9' &**' 45,' ,(?8(,3' ,',)' 8(<',(4,;' 9)' 45,' ;,=),338 (' 9' 45,' :&(6' 4 ' 45,' =) 984' 9' 45,' 9,7' 7 2*;' (4' 5&',' A,,(' &A*,' 4 ' 5 *;' 843' ?) 2(;' : 215' * (?,)' A6' 45,' ,O,)183,' 9' F43' 7(' =) =,)' 9)1,3' 845,)4 ' 45,' &=&16' 5&;' (4' (*6' 34 ;' A6' 843' 7(' 34),(?45' A24' 5&;' 32==)4,;' : 215' ,*3,' A6' 843' &33834&(1,') :' 45&4' 48:,' 9)45' 84' 5&3' ,O834,;' (*6' A6' 45,' &8;' &(;' =,):8338 (' 9' 45,)' 46)&((8,3' 75 3,' =&4) (&?,' 84' 5&3' =2)15&3,;' A6

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' ;**8(?'45,'3 *3' 9'(&48 (3'&(;'4523'),(;,)8(?'45,8)'A ;8,3' :&(&?,&A*,'A6';,3= 43

215' :),'45,),9),'45&('45,'9&4,' 9' *),(1,' :),' 45&('45,'9&4,'149' 4&*6'7&3' 3,&*,;'A6'45,'2(5 *6'&**8&(1,' 9' =,'&(;' :=,))'75815'4)&:=*,;'45,'*89,' 24' 9'45,' : 34'),=2A*81&(' 9'),=2A*813' 5,'(,7'*,&?2,'A,47,,(' 5&)*,3' &(;' *,:,(4' 7&3' 38?(,;' &4' &)1,*(&' ('45,'#45' 9' E2(,' # ' (;'843' 1 (;848 (3' :8?54' 5&',' 329981,;'4 ' 1 ('8(1,'45,' *),(48(,3' 45&4' 45,5' : : (7,&*45' 7&3' 8(;,,;' ; :,;'&(;'843' *&34' ;&6' &4' 5&(;' 5,'A&)?&8('34)21@'A,47,,('45,'3=8)842&*'&(;'45,'4,:=)&*' 46)&(4'=) <'8;,;'&3' 5&3' A,,(' :,(48 (,;'45&4' 45,' :=,))P3' 8**,?8<48:&4,';&2?54,)' &)?&),4'35 2*;'A,' :&))8,;'4 '45,' =,P3' 8**,?848:&4,'3 (J' *,O&(;,)'&(;'45&4' 45,'*8A,)46'&(;'8(<;,=,(;,(1,' 9' *),(1,'35 2*;'A,'1)235,;'A6'45,' ',).' '5,*:8(?'A)24,'9)1,' 9'45,' :=,))'8(');,)'4 '9):' 9' 45,'1846'&(;'843' 34&4,'&';2@,; :'9)'45,',34&A*835:,(4' 9' 4583' 8(4,),348(?'=&8)'2(;,)'45,'=) 4,148 (' 9'45,8)'&2?234' =&),(43

48**' *),(1,'7 2*;'(4' &A&(;('5 =,' 5,),'7&3' 348**')&(1,'&(;'45,'2(3,44*,;'D2&)),*'A,47,,('45,'),(15' &(;' =&(835'=),4,(38 (3'4 ' &=*,3'&(;' 8*&(' 5,),'7&3' 348**'45,'= 338A8*846'45&4' *),(1,':8?54'A,'&A*,'4 ';,96'A 45' =,'&(;' :=,))'A6'45,':,&(3' 9'&'),(15'&**8&(1,

583';,*238 ('5 7,',)';8;'(4'*&34'*(?'9)' ('45,'45' 59'45,'9 ** 78(?' 2?234'&'4),&46' 9'=,&1,'7&3'38?(,;'&4' &:A)&8'A,47,,('45,' :=,))'&(;'45,'),(15'@8(?' 5,' =,'45,' ,(,48&(3'&(;'45,'45,)'=)8(1,*8(?3' 9' 4&*6'7,),' 8(1*2;,;'8('45,'&:81&A*,'&))&(?,:,(43' (*6' *),(1,'7&3' ,01*2;,; L (*6' *),(1,0' 75815'5&;'A,,(';2=,',(2?5

"' <6' 368963'G422' 36)6)E63'1<6'>3,*.9=',.'G<4:24'1<6'53,E8E4241;'1<81' <6'G8=',36=1='6:8114' '#1,348' 3,.,2,>4:8 (' =8;='1<81'8' :28*=6',%'1<4=' 83:62,.8'13681;'53,+496='1<81' 26D8.963'1<6'.81*382'=,.',%' 26)6.1' =<,*29')833;(' :'1<*='93,554.>'822'8%%6:169'9,*E1='.'1<6'=*EI6:1',% 26D8.963@'5836.18>6

2=' 4 ' 45,' *&34' 4 ' * @' 4 ' 45,' ; ,3= 4')&(183' 9)' &8;' 8(' 5,)' 34)2??*,' 9)' 9), , ; : Q 5,' : 34'),=2A*81&(' 9'),=2A*813' 7&3' *,94' 4 ' 34&(;' &* (,' &(;' 98?54 '2(&8; , ;' 5,)' *&34' 98?54' 9)' 45,' : &8(4,(&(1,' 9' 45,' *&34' 3=&)@' 9' *8A,)46' &?&8(34' 45,' 1 (9,;,)&4,;' ;,3= 43' 9' 2) =,' 9' 1 2)3,' 45,6' 7,),' &**' 9)8,(;3 L F 34' &45 *81' :=,)) G' F 34' 5)8348&(' $8(? G' F' 34' *6' =,' Q G' 9' 1 2)3,' 45,6' 7,),' &**' 9&34' 9)8,(;3' 9)' 3215' &' 1)23&;, Q 94,(' &3' 45,' *,33 (' F'=24' (4' 6 2)' 4)234' 8(' =)8(1,3G' 5&3' A,,(' 3,',),*6' 8(12*1&4,;' 8(' 45,' 5834)6' 9' :&(@8(;' (,',)' 7&3' 84' :),' A844,)*6' ,(9)1,;' 45&(' (' 4583' 11&38 (' &' (&) *&' &**2;8(?' 4 ' 45,' 1 ?(8>&(1,' 9')&(1,' C(;' 45&4' 9' *),(1,' 5&;' =),&15,;' 45&4' F'*8*8,3' 35 2*;' 9* 2)835' A6' 45,' 38;,' 9' *8*8,3M G L &'=2,)< 8*846' 75815' 5&;' ,O,)183,;' :),' 8(9*2,(1,' (' 45,' 158*;835.' :8(;,;' 1848>,(3' 45&(' 45,' =) 9 2(;,34' 783; :' 7 2*;' 5&',' A4&8(,;' ' 8?( )&(4' 9' 45,' (&42),' 9' ;,3= 483 :' 7,),' 45,3,'),=2A*81&(' :,)15&(43' &3' 6,4' &(;' 3 ' 2(&7&),' 9' 45,' 4,(;,(18,3' 9' 2) =,&(' 3 18,46' &4' 45&4' =,)8 ;' &3' 4 ' 5&',' 32== 3,;' 45&4' 45,'),(15' ;,3= 4' 7 2*;' A&1@' 45,8)' 98?54' 9)' 9), , ; :' &?&8(34' 45,' =&(835' 46)&(4' :,),*6' A,1&23,' 45,6' 5&;' A&1@,;' 58:' 8(' 583' D2&)),*' 7845' 45,' :=,))' ' 24' @8(?*6' 8(348(14' 4&2?54' 45,' ;,3= 43' 9' 45,' 38O4,,(45' 1,(42)6' &3' 1*,&)*6' &3' 3634,:&483,;' 45,)6' 1&(' 4,&15'45 3,' 9' 45,' (8(,4,,(45' 45&4' &' 9),,' : : (7,&*45' 3,*9.? ',)(,;' &(;' 3,*9.3234&8(,;' 7&3' &' ;&(?,) 23' 98),.3=&)@' &: (?' 45,' D2,(15,;' 48(;,)' &) 2(;' 75815' &**' 9' 45,:' 7,),' '5P42&**6' 8(4,),34,;' 8(' 4)&:=*8(?' 24' 844,)' &3' 7,),' 45,'),3,(4< :,(43' A,47,,(' =,' &(;' :=,))' 98,)1,' &3' 7,),' 45,' 9,2;3' A,47,,(' :=,))' &(;' $8(?' &**' 1 2*;' A,' 9)? 44,(' &(;' ,&',(' 8(' @,;' 4 ' 784(,33' 45,8)' 9)&4,)(&*),1 (18*8&48 (' 2(;,)' 45,' =),332),J 9' 45,' 1 : : (' (,1,33846' 9)' ,O48(?2835< 8(?'*8A,)46

24' (4' ,',(' ;8;' 4583' =)4,(4 23' 83 *&48 (' 4,))896' 45,' 34 24' A2)?5,)' 1 : :2(846' 9) :' 45,8)' ;,4,):8(&48 (' 4 '),3834' 4 ' 45,' *&34' 45,' ',)75,*:8(?' 1 :A8(&48 (' 9' 9)1,3

UX[' # ' ' ' W ' '

F! X 75815' 5&;' ;,4,):8&,;' ('45,8)',O48(148 ('M' (;'84' :234' A,'),:,:A,),;' 45&4' 45,'1: (34) 23' 8(,D2&*846' 9' 45,' 1 :8(?' 34)2??*,'7 75815' 5&;''4523' :&(89,34*6' A,1 :,' &' 1 (4,34' 9' 6,(1,' &?&8(34' &** 2) =,' 7&3.(4' &**')' =,)5&=3' 45,' 7)34' 9' 45,';&(?,)' 7845' 75815' 45^' *),(48(,' ? ',)(:,(4' 5&;'4 '1 (4,(;.' *45 2?5' 45,'&31,(;&(16' 8(' 45,'1846' 75815' 45,';,: 1)&481'&(;':),''8 *,(4'=&)46' 7845' 45,' B (9&* (8,),' &);2C' V8' 843' 5,&;' &4' 4583' 48:,' = 3< 3,33,;' 3,,:3' 4 ' 5&',' A,,(' 3299818,(4*6' 34) (?' 4 ' ',)&7,' (8** ',)4' == 3848 (' 4 ' 843' &8:3' &(;' :,&32),3' 45,' :< : (7,&*45'1 2*;'(4' A,' 3&8C' 4 '5&',' ? (,'8(4 '45,'34)2??*,' 4'5 *,.5,&)4,;)' 7845' 2(&(8: 23' T7835,3' 9' 1 28P3,' 45,' *;' &;5,),(43 ' 9' 45,' ,;818' &3' :&(6'&3'),:&8(,;' 78458(' 45,'1846' 7,),' ,&?,)*6' ;,386 23' 9)' 45,' 3211,33' 9' 45,' ,(,< :8,3' 9' 45,' ,=2A*81' 24' A,38;,3' 4583' 45,),' 7,),' &** 45 3,' :,(' 9' 45,' M' 448:&48 G' Y75' ;83&==) ',;' 9' 45,' 1 2)3,' 75815' 4HC;' = =2*&)' ? ',)(:,(4' 7&3' 4&@8(?' &(6' 9' 45,3,'5&'8(?' &':),'H234' &==),18&48 (' 9' 45,'9)1,3' 7845' 75815' 45,' ,=2A*81' 7&3' &A 24' 4 '1 (4,(;'45&('45,'= =2*&)' *,&;,)3'1 (38;,),;'45,'34)2??*,'&';,3=,)&4,' (,'&(;'7 2*;' 5&',' 7835,;' 4 ' :&@,' 75&4,',)' 4,):3' 7845' *,:,(4' 84' :8?54' 5&',' A,,('= 338A*,'4 ' A4&8('9) :'58:' 5,3,'7,),' :,(' 9' 45,' 34&:=' 9' &== (8' 75 ' 5&;' 32==)4,;' 583' ? ',)(:,(4' &(;' 75 ' 3&7' ;,3=&8)8(?*6' 583' 9&**' &(;' 45,' 1 (3,D2,(4' 3211,338 ('4 '= 7,)' 9' :,(';,4,):8(,;'4 'A)&',' &(;' ;,96' 45,' =,' &(;' 583' *&6' 32==)4,)3' 5,),' 7,),' &*3 ' ; 2A4*,33' :,(' &: (?' 45,' 448:&48' 4 ' 75 :' 45,' 3211,33' 9' &'45) 2?5.? 8(?';,: 1)&481'? ',)(:,(4' 7 2*;' 5&',' A,,('6,4' :),' ;8 23' 45&('45,'),42)(' 9' 45,' ,;818' 4 '= 7,)' (;' 84' :234' A,' A)(,'8(' :8(;'45&4' 4 ' 3215' :,('* @8(?'&4' 45,'9242),'9) :'45,'=8(4' 9''8,7'8(' 75815' 45,6' 7,),'45,(' =*&1,;' &'),1 (18*8&48 (' 7845' *,:,(4'&(;' 45,'),.&;:8338 (' 9' 45,' ,;81,&(' =)8(1,3'4 ' 45,' 1846' ;8;' (4' 3,,:' (,1,33&)8*6' 4 ' 8:=*6' 3215' &' 98(&** 32==),338 (' 9' 45,'*8A,)46' 9' *),(1,' &(;' 3215' &' 352448(?' 99' 9' &** 9242),

=,3 &(;' 15&(1,3' &3 7,' * @8(?' A&1@' ',=' 45,' 75 *,' :&)15' 9',',(43'@(,7'84'4 ' 5&',' 8:=*8,;' 5,' ,;818 5&;' A,,(',34),;PA8),45&(' (1,' A,9),&(;/6,4'84' 5&;' (4' A,,(' &** ',) 7845'34)2??*,3'9)' = *8481&@'= 7,)'8(' *),(1,' &)'9) :'84' ' 5,),' 7,),' 5&==6'42)(3'45,3,' :,('45 2?54'),:&8(8(?' 8(' 45,' T'65,,* 9'9)42(,' 6,4 ' 5,' D2,348 (' 7&3' 75815'89242),' 7 2*;' A,'15@,*6'T4 ' 99,)' 45,' A,34' 15&(1,3'&(;'4 ' A,'8('843,*9'*,&34';834&34,92* 4 ' 45,:' :,&(< 758*, L 45,'),34)&48 (' 9'45,' ,;818')'45,'&31,(;&(16' 9' 45,';,: 1)&481'=&)46' ' (;',)6':&(6' 9'45,'FC 448:248G':7,),' 8(4,**8?8A*6',(2?5'8(1*8(,;' 4 ' 458(@ 45&4' 45,' *&44,)' 7&3'45,'?),&4,)',' 8* 9'45,'47

5,';,: 1)&481' ? ',)88:,)84'5 7,',)'7,),'(4'3 'A*8(;' 4 ' 45,' ;&(?,)3' 7581 5.C2)) 2(;,;' 45,:' &3' 4 ' (,?*,14' &44,:=48(?' 4 ' &',)4' 4*8,:' A6'(,? 48&48 (' 89'84':7,9,' = 3< 38A*,' 4'45,',(;' 9' 2?234' ' 5&)*,3'7&3'&4' B,(&' 5&'8(?' 1 :,' 45845,)'9) :' &) ,* (&M' &(;45,' *),(48(,' ? ',)(:,(4';,4,):8(,;' (' 3,(;8(?'&(',:A&336'4 '58:'8(' 45,'5 =,' 9' : ;8968(?' 583'8(4,(48 (3'4 7&);3'145,' :< : (7,&*45' 5,'1848>,(3'15 3,('9)'4583';,*81&4,'&(;' : 34' 8:=)4&(4' :8338 (' 7,),' &44,' 4) >>8' 811 * ' &==(8M : :&3 ' ;,)8(8'&(;' &98&,** ' B8) *&:8 ' 5,'15 81,' 9' &== (8' (' 4583' 11&38 (' 83'),:&)@&A*,M 8(;81&48(?'&3' 84' ;,3',845,)'45&4' 45,' : ;,)&4,3'&(;' Y' 448:&48'G' 5&;'348* ' &'3299818,(4*6M 34) (?'' 81,'8('45,'1846'4 ',(32),'45,'3,*,148 (' 9)'4583' : 34' 8:=)4&(4' 9981,' 9' (,' 9' 45,8)' 7('9&148 (M)'45&4' &'',)6':&)@,;' : ;8981&48 (' 8(' 45,' 3,(48:,(43' 9'45,' ;,: 1)&481'=&)46' 5&;' 4&@,(' =*&1,' 38(1,' &== (8' 7&3' 3 '),1,(4*6';,= 3,;'7845'8?(:8(6' 9) :'583' 9981,' 9' B (9&.' * (8,),' &(;' (&)) 7*6',31&=,;' 9)9,848(?' 583' 5,&;' &4' 45,' A8;;8(?' 9'45,'= =2*&)'H,&* 29v'&(;'323=818 (

5,' 9 2)' ,(' 63' =) 1,,;,;' (' 45,8)' 9)*)(' 5 =,' P B,(&'&(;'7,),'),1,8',;'7845':215'&99&A8*846'&(;'1 2)4,36' A6'45,' :=,))' 24'45,8)'5 =,3'89'&(6'5&;'A,,(' ?,(,<)&4,;'A6'45,' :=,))P3'9&8)'7);3M 7,),'3=,,;8*6';83=,**,;

.833,14‘ <89‘ 8=‘ 1<6‘ 3689963‘ H.,G=‘ <41<631,‘ =56.1‘ <4=‘ 24%6‘ 4.‘ 8:A*434.>‘ 8‘ 365*1814,.‘ %,3‘)8=163;‘ 4.‘ 8314=14:‘ 36814,.‘ G<4:<‘ <8=‘ .,1‘ ;61‘ E66.‘ %,3>,11634‘ ‘ 6+6.‘ 94)))69‘ E;‘ 14)6‘ ‘ 6‘ G8=‘ 8.‘ 6D:6514,.‘ 1,‘ 1<6‘ 3*26‘ 1<81‘ 96:2836=‘ 1<81‘ .,‘)8.‘ 4=‘ 8‘ 53,5<61‘ 4.‘ <4=‘ ,G.‘ :,*.13;‘ 8.9‘ <4=‘ ,G.‘ >6.63814,.‘ ,3‘ 8‘ <63,‘ 1,‘ <4=‘ ,G.‘ +8261‘ 4:<626 >.,2,‘ *,4)833,14‘ G8=‘ %*22,‘ 36:,>.4769‘ 8=‘ =*:<‘ E;‘)6.‘ ,% 822‘ :,.9414,.=‘ :28=6=‘ 8.9‘ 583146=‘ E,1<‘ 4.‘ <4=‘ ,G.‘ :41,‘ 8.9‘ ,*1‘ ,%41‘ <6=‘ >3681‘ ,.6=‘ ,%1<6‘ 6831<‘ ,56=‘ C.9‘ 34.:6=‘ E49‘ 8>84.=1‘ 68:<‘ ,1<63‘ %,3‘ <4=‘ 536=6.:6‘ 8.9‘ <4=‘ =63+4:6=‘ .9‘ 1<6‘ =*::6=,3=‘ ,% #1‘ 6163‘ <89‘ E66.‘)84.2;‘ 8.9‘ 36:6.12;‘ 1<6‘),=1‘ =*::6=%*2‘ E49963=‘ 4:<626 >.,2,‘ <89‘ ,% 2816‘ E66.‘ 6.>8>69‘ 81‘ ,)6‘ ,.‘ G,3H=‘ G<4:<‘ 8%%,3969‘ @ <43.‘ 1<81‘ E,,.‘ 4.6=14)8E26‘ 1E‘ 6+63;‘ :36814+6=,*2 8.‘ ,55,31*.41;‘ %,3‘ G,31<42;‘ 4.:83.814.>‘ 4.‘)81163‘ 1<6‘ 49682‘ 1<81‘ G8=‘ 4.‘ <4)^ G,3H=‘ ,.‘ G<4:<‘ <4=‘ G<,26=,*2‘ G8=‘ :6.16369‘^ 8.9‘ ,% G<4:<1<6‘ ,329‘ <8=‘ =4.:6<6839‘ *1‘ 81‘ 1<6‘ :822‘ ,% <4=‘ :,*.13;‘ 4.‘ <63‘ 6D136)6‘ .669‘ 8.9‘ 94=136=‘ <6‘ 26%1‘ 822‘ 8.9‘ 81‘ 1<6‘ %*31<63‘ 34=H‘ ,% 43365838E2;‘ ,I%%6.94.> 1<6‘ 5813,.‘ G<,=6‘ 5,G63‘ 8.9‘ %8+,*3‘ 82,.6‘ :,*29‘ 6.8E26 <4)‘ 6+63‘ 1,‘ :,.14.*6‘ <4=‘ G,3H‘ <6‘ :8)6‘ 1,‘ <63^ 26%1‘ >2,34,*=‘ +4=4,.=‘ ,% :36814,.=@ ,% 49682‘ E68*1;‘ 8.9‘ =*563B <*)8.‘)8I6=1;‘ 1,‘ 28E,*3‘ 81‘ 96+4=4.>‘ E8=14,.=‘ 8.9‘ <496,*=‘ G822F)8=6=‘ G<4:<‘)4><1‘ =63+6‘ 1,‘ 96%6.9‘ <4=‘ .814+6‘ :41;‘ 8>84.=1‘ 1L6‘ 8118:H‘ ,% 63‘ 6.6)46=‘ ,3‘ *.4+63=8241;‘ 8.9‘ +63=814241;‘ G636‘ 1<6‘ 6=56:482‘ :<838:1634=14:=‘ ,% 1<6‘ >3681‘ :36814+6)4.9=‘ ,%1<81‘ 5634,9‘ ,%<*)8.‘ 96+62,5)6.1‘ ,1‘ 1,‘ *,..833,14‘ 82,.6‘ E*1‘ 1,‘ =6+6382‘ ,1<63=‘ ,% 1<81‘ 65,:<‘ 1<,*><4.‘ 8‘ =56:482‘ 96>366‘ 1,‘ <4)‘ G8=‘ >4+6.‘ 1<81‘ G,.963B %*2‘ 563%6:14,.‘ ,%4.16226:1‘ 1<8I^ 24H6‘ 1<6‘ 13*.H‘ ,%8.‘ 6265<8.1‘ 6A*822;‘ 8985169‘ %,3‘ 1<6‘ G36.:<4.>‘ ,% 8.‘ ,8HF1366‘ %3,)‘ 1<6‘ =,42‘ ,3‘ %,3‘ 54:H4.>‘ 8‘ 54.‘ %3,)‘ 1<6‘ %2,,3‘ :8.‘ =61‘ 41=62%1,‘ G,3H‘ ,.‘ 8.9‘ 8::,)524=<‘ G41<‘ 6A*82‘ 563%6:14,.‘ 1<,=6‘ <4><6=1‘ %681=‘ ,% <*I.8.‘ 4.16224>6.:6‘ G<4:<‘ .,.6‘ =8+6‘ 1<6‘)8=163‘ =54341=‘ :8.‘ :,.:64+6‘ 8.9‘ 1<,=6=)82263‘ 8.9‘ >3,=63‘ 36A*436F

9)' 4A,' =2)= 3,' 9' 342;68(?' 45,' 9)48981&48 (3' 9' 45&4' 1846' 45,(' ;,,:,;' &' : ;,*' 9' :8*84&86' &)1584,142),' 0 5&4' 7&3' :&8(*6'),D28),;' 9' 45,' ?),&4' &)4834' A6' 45,' *),(48(,3' 7&3' 45&4' 5,' 35 2*;' ;,'83,' 3 :,' :,&(3' 9';,9,(;8(?' 45&4' D2&)4,)' 9' 45,' 1846' 3842&4,;' (' 45,' 92)45,)')' 3 245,)(' A&(@' 9' 45,')(' 5,' 58**3' 75815' 3524' 8(' 45,' '&**,6' 9' 45,')(' (' 45,' ( )45,)(' 38;,'),1,;,' 4 ' &' ;834&(1,' 9' 47 ')' 45),,' :8*,3' 9) :' 45,' 1846' 7&**3' 8(' 45&4';8),148 (' 24' (' 45,' 45,)' 38;,' 9' 45,' '&**,6' 45,6' =),33' 45,' 1846' 3 ' 1* 3,*6' &4' (,' =8(4' 45&4' 45,' 1846' 7&**' 843,*9' 1*8:A3' 45,' 34,,=' 38;,' 9' 45,' 58**' (' 75815' 45,' (7'9&: 23' A *8' ?&);,(3' &),' 3842&4,;' 5,' (&42),' 9' 45,' * 1&*848,3' (' 4583' 38;,' 7&3' 3215' &3' 4 ' 99,)' 32(;)6' = 8(43' 9' &;'&(4&?,' 4 ' &' A,38,?8(?' 9)1,' &(;' 4 ' ;,'83,' :,&(3' 9)' 9)48968(?' 45,3,' 7&3' 45,' 4&3@.(7' &338?(,;' 4 '45,' 9,)48*,' 8(',(48',' ?,(823' &(;' 318,(48981' @(7< *,;?,' 9' 2 ((&)) 48 J

,&(758*,' 45,' *),(48(,3' 2(;,)' 45,' &148',' &(;' '8?) 23' ? ',)(:,(4' 9' &' 8?( )6',(48),*6' 1 :=3,;' 9' F 8&?((8G' 7,),' 3=&)8(?' (458(?' &(;' (,?*,148(?' (458(?' 45&4' :8?54' 1 (4)8A24,' 4 ' =),=&),' 45,' 1846' 4 ' 3234&8(' 45,' 1 :8(?' 34)2??*,' 4' 7&3' &*),&;6' @(7(' 75 ' 7&3' 4 ' A,' 45,' B,(,)&*' 4 ' 75 :' 45,' ,0,1248 (' 9' 45,' =,P3' ',(?,&(1,' &(;' 45,' :=,))P3' = *816' 7&3' 4 ' A,' ,(4)234,;' 4' 7&3' 8*8A,)4 ')8(1,' 9')&(?,M &(;' (,73' 5&;'),&15,;' 45,' 1846' 45&4' 5,' 5&;' &))8',;' 8(' :,' (' 45,' "45' 9' E2*6' I # ' 3,(4' A6' 45,' :=,))' 4 ' 1 (1,)4' :,&32),3' 7845' 45,' =,' 9)' 45,'),;2148 (' 9' 45,' 34899.(,1@,;' A2)?5,)3' 88' 45,' A&(@' 9' 45,')(' 4 ' A,;8,(1,

48**' &' 35)4' 92)45,)'),3=84,' 7&3' &** 7,;' 4 ' 45,' *),(< 48(,3')' 45,' =,' * 34' 3 :,' 48:,' 8(' 15&99,)8(?' &A 24' 4,):3' 7845' 45,' B,(,)&*' 9' 45,' :=,)8&*' 9)1,3' 9)' 75 3,' &8;' ;,3=84,' 45,' :&))8&?,' &))&(?,:,(4',O8348(?' A,47,,(' 58:' &(;' 45,' :=,))' 5,' 7&3' 9)1,;' 4 ' =&6' 32:3' 75815' 84' 7,(4

U‘ # ‘ ‘ ‘ ‘ ‘ L

8M '838 (3‘A 45‘ ;8'8(,‘ &(;‘ 52:&(‘ 75815‘2(;,)‘ 45,‘ 18)12:<
W X^ 34&(1,3‘45,8)‘;246‘),D28),;‘&(;‘45,8)‘24: 34‘= 7,)‘,(&A*,;‘
45,:‘4‘; G‘J

5,‘ 98)34‘ 34,=‘ 4&@,(‘ 7&3‘ 4‘ =24‘ 4‘ 45,‘ ' 4,‘ &(;‘ [45,‘
:,&32),‘ 5&'8(?‘A,,(‘ 1&))8,;‘ # #G‘4‘);,)‘45&4‘45,‘
&1@‘ 8)?8(‘ &86‘ 9‘45,‘ :=)2(,4&‘35 2;‘A,‘F‘;,' 24*6‘
&(;‘7845‘45,‘&11234 :,;‘=) 1,338 (3G‘A) 2?54‘4‘ *),(1,‘
583‘ 5&'8(?‘A,,(‘ ; (,‘F‘45,‘ (,O4‘ 458(?‘ 7&3‘ 4‘ ,(?&?,‘
(,7‘1 : :&(;,)3‘&(;‘ ,3=,18&**6‘45 3,‘ 9‘45,‘ *&4,‘ / &(;,‘
,), P‘ 45,‘ *;‘)&(@3‘ 9‘ 75815‘ 45,6‘ 98**,;‘ 2=‘ &(;‘ 8(<
1),&3,; G

‘ 9‘1 2)3,‘‘ (,‘ 9‘45,‘ : 34‘8:=)4&(4‘&(;‘(,1,33&)6‘1&),3‘
7&3‘45&4‘ 9‘)&838(?‘ : (,6‘ (;‘45),,‘A8**3‘&3‘7,‘35 2*;‘
3&6‘7,),‘ =9h33,;‘ (‘ (,‘ &(;‘ 45,‘ 3&:,‘ ;&6‘45,‘ !45‘ 9‘
2?234‘ # ‘9)‘4583‘=2)= 3,

M 5,‘ 98)34‘ 9‘45,3,‘);,),;‘45,‘ ,*,148 (‘&94,)‘&‘1,)4&8(‘
1&),92**6‘=),31)8A,;‘9&358 (‘ 9‘38O4,,(‘1848>,(3‘4‘A,‘1&**,;‘
9*&1,)3‘ 9‘45,‘ A&(@‘75 3,‘ 9981,‘35 2*;‘1 (3834‘8(‘45,‘
A*8?&48 (‘4‘32==*6‘45,‘1846‘7845‘&‘* &(‘ 9‘ " "" "‘9*)8(3‘
5 3,‘75‘35 2*;‘A,‘(:8(&4,;‘4‘4583‘;246‘7,),‘ (4‘4‘
A,‘.=,):844,;‘4‘;,1*8(,‘84‘ 5,6‘7,),‘ ,:= 7,),;‘4‘
15&)?,‘47,*',‘=,)‘1,(4‘8(4,),34‘ (‘45,‘32: ‘)‘:),‘89‘84‘
35 2*;‘A,‘35 7(‘45&4‘&(6‘ (,‘ 9‘45,:‘5&;‘A,,(‘ A*8?,;‘
4‘)&83,‘583‘D2 4&‘ 9‘45,‘32:‘&4‘&‘58?5,)‘)&4,‘45&(‘45&4‘
&*9‘ 9‘45,‘&: 2(4‘7&3‘4‘A,‘=&8;‘8(4‘45,‘4),&32)6‘8(‘45,‘
1 2)3,‘ 9‘45&4‘12)),(4‘ 2?234‘&(;‘45,‘),:&8(8(?‘5&*9‘8(‘
45,‘9 ** 78(?‘ ,=4,:A,)‘ ‘98(,‘ 9‘&‘45 23&(;‘9*)8(3‘7&3‘
4‘A,‘*,‘8,;‘ (‘&(6‘ (,‘ 9‘45,‘38O4,,(‘75‘ 35 2*;‘9&8*‘4‘
A)8(?‘9)7&);‘45,‘32:‘5,‘7&3‘1&**,;‘ (‘4‘92)(835‘&(;‘
45,‘75 *,‘ 9‘45,‘38O4,,(‘7,),‘ :&;,‘ :242&**6‘),3= (38A*,‘
9)‘,&15‘ 45,)

5,‘3,1 (;‘ :,&32),‘7&3‘9)‘45,‘&== 8(4:,(4‘ 9‘&‘A &);‘
9‘9 2)‘1848>,(3‘4‘75 :‘7&3‘4‘A,‘,(4)234,;‘45,‘8:= 38.

~‘ O83:<4‘+,2‘44 5‘ [‘69‘:41

48 (' &(;' *,'68(?' 9' &'4&O' (' &8)'45,' 1848>,(3' *8&A*,' 4 ' 45,' &33,33,;' 4&O,3' 9' 45,' : : (6',&*45',O1,=4' 3215' &3' 5&;' 1 (4)8A24,;' 4 ' &' 38:8*&)' A2)45,(' *&34' 6,&)' 5,' =) ;21,' 9'4583'4&O' 7&3'4 ' A,' =&8;'8(4 ' 45,'4),&32)6'78458(' &' : (45' 9) :' 45,'48: ,' 9' ' 48(?'45,' : ,&32),

5,' 4A8);' =) '838 (' ;8),14,;' 45,' ,*,148 (' 9' &' A &);' 9' 9 2)' 1848>,(3' 75 ' 35 2*;' A,' ,:= 7,),;' 4 ' ?,4' 8(' &**' &8 ,&)3' 9' 9):,)' 4&O,3' &(;' 9)1,;' * &(3' 45&4' :8?54' A,' 9 2(;' 4 ' A,' 348**' ;2,' 4 ' 45,'4),&3826

5,' (,O4' 1&),' 9' 45,' 8?( )6' 7&3' 9)' 45,' '8142&**8(?' 9' 45,' 1846' &(' AH,14' 75815' 7&3' :215' 9&1854&4,;' A6' 45,' 2(< 232&*' &A2(;&(1,' 9' 45&4' 6,&)P3' 5,;' ',34' 9981,)3' 7,),' ;83=&415,;' 8(4 ' &**' =&)43' 9' 45,' 4,))84)6' 9' 45,' : : (< 7,&*45' &(;');,)3' ?8',(' 45&4' ,',)6'@8(; 9' 9A ;' A,6 (;' 45,' &A3 *24,'(,,;' 9' 45,' 48**,)3' 9' 45,' 3 8*' 35 2*;' A,' 3,(4' 4 ' *),(1,' &),' 7&3' 4&@,(' &4' 45,' 3&:,' 48:,' 4 ' =24' & ' 34) (?5 *;3'&(;' 9)4),33,3' 9' 45,' 1 2(4)6'8(' &' =,)9,14' 34&4,' 9' ,99818,(16' &(;'),=&8)' 34&?,3' 7,),' ;,:&(;,;' 9) :' &**' 45 3,' 1848,3'&(;' 4 7(3' 9' 45,' *),(48(,' ; :8(8 (' 75815' I*&A 2),;' (;,)'&(6'323=818 (' 9' A,8(?'(4' &*4 ?,45,)' * 6&*' &(;' 7, .&99,148 (,;' 4 7&);3' 45,' ,=2A*81')? ' &8*' ,= *1) ')4 (&'),>> ' 83&' 834 8&' &(;' 3 :,' 45,)' =*&1,3' 7,),'4523' 1 :=,**,;' 4 ' 3,(;' 3 :,' 9' 45,8)' *,&;8(?' :,(' 4 ' *),(1,' &3' =*,;?,3' 9' 45,8)' ? ;' 9&845' ,33,)' ,)(&);;' ;&' ,))2>>&(' 7&3' 3,(4' &3' &(',(' 6' 4 ' &*&4,34&' &?*8 (8' 7845');,)3' F' 4 ' 3=&),' ('9*&44,)8,3' 1&H *,:,(43')' 5 (2)3' 45&4' 1 2*;' 1 (4)8A24,' 4 ' 8(;21,' 45&4' ?,(,)&*' 4 ' :&8(4&8(' 583' 9&845' 4 ' 45,' : : (7,&*45 G' &(;' =),',(4' 58:' 9) :' F' A,8(?' 1))2=4,;' A6' 45,' =) :83,3' 9' 45,' =,' 75 ' 7&3' 84' 7&3' 7,**' @(HC7(' 1 (48(2&**6' 4,:=48(?' 58:' 7845' 45&4' '8,7 G J' : :833&)8,3' 7,),' &*3 ' ,*,14,;' &(;' ;83=&415,;' 4 ' '&)8 23'8:=)4&(4'=*&1,3 L (,'4 ' 8),(>2 *&' &(;' 45,' ;834)814' *68(?' A,6 (;' 45,' =,((8(,3M &(45,)' 4

.6=6::<4' ,3 6+6.' =,)6 , .6 ,% 26=' 6)4.6.f 6D:6226.:6 1<8.' 4 !' 1<6=6' 8.9 <89)896 <4)' 4.' 13*1< 94:181,3' 1<4.>=' 563<85=')4><f <8+6 E66.')8.8>69 94%%636.12;' %3,)' G<8f 1<6;' G636' 8.9 8=' 8 :, .=6A*6.:6)4><f <8+6 36=*2169 4.' 8 94%%636.f 163)4.814, . (

6=' E*f 1<8f G8=' 6D8:12;' G<8f 1<6 *.9;4.>' 8.9 .6+63F =26654.>' I682, *=46=' 8.9 =*=54:4, .=' ,% 1<6 2,36.14.6=')896 4f 4)5,=4E26 %,3 1<6)' 1,' 9, M 1' G,*29 <8+6 E66.' 4)8B >4.69 4))6948162;' 1<8f 8.;' :41476.' 1,' G<,)' =*:<' 8 5,G63 8=' O83:<4 =568H=' ,% <89 E66.' 6.13*=169' G,*29 <8+6 8116)5169 1,' *=6 4f %,3 1<6 5*35,=6 ,% 563)8.6.12;' =6:*3B 4.>' 1,' <4)=62% =,+6364>.' 8*1<,341;' .9 1<4=' G8=' =1422' 8=' 6+63' 1<6 G,3=f 1<4.>' 8.9 1<6) ,=f 16334E26 98.>63 1,' G<4:<' 8 2,36.14.6@=' %683=' :,*29 5,4.1

) ,.>' 1<6=6 +834,*=' 6%%,31=' 1<6 96=63169 8.9 4=,28169 ,)) ,.G6821<' 2,,H4.>' 8.D4,*=2;' 83,*.9 1<6 5,2414:82 <,347,.' 1,' =66 4% %3,)' 8.;' A*83163 8=4=18.:6)4><f E6 <,569' 3,(4),84,)&4,;' 85524:814,.=' 1,' O6.4:6' .9 6+6.' *5 1,' 1<6 14)6 G<4:<' G6 <8+6 .,G368:<69 1<6 8*1*).' ,% W X '1<6 O6.6148.' =6.816 :, .14.*69 1,' <,29 ,*f 1,' <63 =4=163 65*E24:' <,56=' ,% =*55,31' 22 =*:<' 53,)4=6=' G636 =, ,.' =66.' 1,' E6 G<,22;' G,31<26=' *f 41 G,*29 E6 94%%4:*2f 1,' =8;' G<61<63 1<6;' G636 8f 1<8f 14)6 4.16.969 1,' E6 =,' E;' 1<6 O6.6148.' >,+63.)6.1' 1' 4=' 563<85='),36 53,E8E26 1<8f 1<6 G83;' 8.9 :8*14,*=' #6.81,3=' G636 =1422 G8414.>' 1,' =66 <,G 1<6 =1368)' ,% 6+6.1=')4><f 3*.' 8.9 =56:4822;' G<61<63 41 G636 36822;' 1<6 4.16.14,.' ,% 38.:6 1,')8H6 >,,9 8.:' ,% 1<,=6 8=*38.:6=' G41<' G<4:<' =<6 <89 :,.14.*69 1,' %669 1<6 <,56=' ,% 1<6 ,)) ,.G6821<' 6+6.' 8%163 1<6 568:6 ,% 8)E384

O6.4:6 G8=')84.184.4.>' B' 1<6 14)6 8 36=496.f 8)E8=B =89,3 8f 2,36.:6' 8.9 G8=' 1<636%,36 ,% :,*3=6 =*55,=69 1,' E6 ,.' 163)=' ,% %346.9=<45 G41<' 1<6 ,)) ,.G6821<' .

3215' 4,) : 3 G' J' 9' 1 2)3,' 45,6' @ (, 7' A24' 4 ' 7 , **' 45,' =) < 8) 9 2 (;' 56= 1)836' 9' *, : , (4P3' =) 4,34&48 (3'),3=,148 (?' 583' # 8(4,(48 (3' 4 7&);3' 45,' 1846

6' 45,' "'45' 9' 14 A,)' 45,')8(1,' 9')&(?,' 5&;'),&15,;' (183&' &' *844*,' 4 7 (' 8(' 45,' 2==,)' &*' ;P)(' &A 24' ,8?54,,(')' 47,(46' : 8*,3' 9) :' *),(1,M &(;' 3@8)< : 835,3' 7,),' 1 (34&(4*6' 4&@8(?' =*&1,' 158,9*6' A,47,,(' =&4) *< *8(?' =&)48,3' 9' 1&'&*)6' A,* (?8(?' 4 ' ,845,)' 38;, L 9)' 45,' : 34' =&)4' &3' &)* ' &==,** ' 7)84,3' 4 ' 583' ? ',)(: ,(4' &;'&(4&?, 23*6' 4 ' 45,' *),(48(,3' 5,' 1 2(4)6' &) 2(;' *),(1,' 7&3' &4' 4583' 48 : ,'3 ' ',))2(' A6' 45,3,' 34)&??*,)3' 9) :' 45,' 8 : =,)8&*' 1& : =' 45&4' 45,' & : A&33&;)' A,?&(' 4 ' 98(;' 1 (38;,)&A*,' ;899812*46' 8(' @,,=8(?' 2=' 583' 1)),3= (;,(1,' 7845' 583' ? ',)(: ,(4 &3' 2(8(4,) : 8448(?*6' &3' 5,' 5&;' 5845,)4 ' ; (,' F' 583' ,',(8(?' &(' 5 2)' &94,)' 32(3,4 G' 5,' 7)84,3' (' 45,' "45' 9' 14 A,)' F' 47 ' =,&3&(43' 1& : ,' 4 ' : ,' 75 ' 7,),' A)8(?8(?' : ,' *,44,)3' 75815' 5&;' A,,(' ,(4)234,;' 4 ' 45, : ' &4' &',((&' ('45,' =),1,;8(?' 0 , ;(,3;&6' 5,6' 7,),' 2(&A*,' 4 ' 4,** : ,' 75,45,)')' (' 45,3,' *,44,)3' 7,),' 9) :' 6 2)' 8?5(,33' 24' 45,6' 5&;' 45) 7('45, : ' 8(4 ' &' 45)(.A)&@,' &A 24' 45),,' : 8*,3' 9) :' 4583' 1846' 5&'8(?' A,,(' &*&) : ,;' A6' 3 : ,' 9' 45,' ,(, : 6P3' 5)3, : ,(' 75 ' =2)32,;' 45, : ' ' 3,(4' 45, : '/A&1@' 4 ' 3,,@' 9)' 45,' *,44,)3' 7845' &**' ;8*8?,(1,' &(;' 45,6' 5 =,' 4 '),1 ',)' 45, : G' (;' &?&8(' &' ;&6')' 47 ' *&4,)' 5,' 4,**3' 45,' 3,(&4)3' 45&4' 45,' ,O4), : ,' ;899812*46' 9' 98(;8(?' &(6' (,' 78**8(?' 4 ' 2(;,)4&@,' 45,' ;&(?,) 23' A238< (,33' 9' 1&))68(?' 583' *,44,)3' 83' 45,' 1&23,' 756' 5,' ; ,3' (4' 1 : : 2(81&4,' 7845' 45, :' :),' 9),D2,(4*6

=,' 9' 45,' ?),&4,34' ;899812*48,3' 7845' 75815' 45,' ? ',)(< : ,(4' 5&;' 4 ' 1 (4,(;' 8(' =),=&)8(?' 4 ' 9&1,' 45,' 34) :' 45&4' 7&3' &A 24' 4 ' A),&@' ('48), : : (7,&*45' 7&3' 45,' D2&(< 4846' 9' ;83&98,148 (' &(;' 4),&3 (&A*,' 36 : =&458,3' ,O8348(?' 8(' 45,' 1846' (r ' *,44,)' A,&)8(?' ;&4,' 45,'' 45' 9' 14 A,)

98* ' ' ' ' 0 ' '

=' 45,' & : A&33& ;)' ?8',3' 45,' (& : ,3' 9' 47,(46.4') ' 1848>,(3' 3,',)&*' 9' 45, :' A,* (?8(?' 4 ' 3 : ,' 9' 45,' 98)34' 9& : 8*8,3' 8(' 45,' 1846' 3215' &3' &*)8' ,;818' *4 '848' 118&82 *8' 21,**&8' h1 P75 ' 5&;' H234' A,,(' &)),34,;' (' 323=818 (' 9' ;83&99,148 (' 4 ' 45,'? ',)(: ,(4'&(;' 9'(2)8358(?' ,;81,&(' 36 : =&458,3' (,' 9' 45,3,' &' 1,)4&8(' &)*' 1158' 7&3' A,5,&;,;' 9)' 5&'8(?' 3= @,(' 1 (4, : =42 23*6' 9' 45,'? ',)(< : ,(4' 215' &A 24' 45,' 3& : ,' 48 : ,' &(' A3,)'&(48(,' 9)8&)' (& : ,;' ,44=)8 ')&(1,3158' 7&3' 1 (;, : (,;' 4 ' ;,&45' 9)' A, : ?' &(' , : 833&)6' 9' =,' *, : ,(4' &(;' 5&'8(?' A,,(' ;,4,14,;' 8(' 4& : =,)8(?' 7845' &(' 9* 1,)' 8(' 15&)?,' 9' &' 1,)4&8(' A&348 (' 9' 45,' 1846 J

47845 34&(;8(?' 45,3,' &(;' 3 ' : &(6' 45,)' ;899812*48,3' 45,' ,(,48&(' 7)84,3' 5 : ,' 8(' 45,' 3& : ,' *,44,)' 8(' 75815' 45,' &A ',' 18)12 : 34&(1,3' &),' : ,(48 (,;' 45&4' F' &** 45,' 1846' 83' 8(' ,O1,**,(4' ? ;' 5,&)4' 5,' 3=8)84' 9' 45,' 1848>,(3' 83')838(?' ,',)6' 5 2)' &(;' A,1 : 8(?' :),' &(;' :),' ;,38) 23' 9' : ,&32)8(?' 45,8)' 34),(?45' &?&8(34' 45,' ,(,: 6')' 1&(' 84' &(6' * (?,)' A,' 3&8;' 7845' &(6' 4)245' 45&4' 45,' 9&) : 3' 9' 45,3,' 1848>,(3' &),' 5 34&?,3' 9)' 45, : ' 8(' 45,' 5&(;3' 9' 45,8)' ,(,: 8,3')' 3 ' : &(6' : &?(8981,(4' &(;' * ',*6' '8**&3' 5&',' A,,(' A2)(,;' (4' (*6' A6' 45,' ,(,: 6' A24' A6' 45,' 7(,)3' 9' 45, : ' 45, : < 3,*',3' 45&4' 84' 83' ;899812*4' 4 ' 3&6' 75815' 83' 45,' ?),&4,)' 45,' A&)A&) 23' 9,) 1846' 9' 45,' ,(,: 6')' 45,' (A*,' ;,4,) : 8(&48 (' &(;' 9)4842;,' 9' 45,3,' 1848>,(3' (;' &*45 2?5' 84' 83' 8 : < = 338A*,' (4' 4 ' ?)8,',' ',)' 3215' 78;,.3=),&;')28(' 84' 83' (,',)45,*,33' &' 348**' 58?5,)' 3&4839&148 (' 4 ' 3,,' 45,' ?),&4(,33' 9' : 8(;' 75815' 83' : &(89,34,;' 8(' 45,' ?,(,)&* =) : =4842;,' &(;' 78**8(?(,33' 4 ' 3299,)' &** 45,3,' * 33,3' &(;' 8(;,,;' &(6' 45,)' 1&*& : 846' &(;' =,)8* 9)' 45,' 3&@,' 9' *8A,)46 G Q

('4583' : ;' 9' : 8(;' 45,'1848>,(3' &(;' 45,8)' F' 8&?((,'G' ? ',)(: ,(4' &7&84,;' 45,' &44&1@' 9' 45,' =,' &(;' 45,' : < =,))' (;' &4' *&34' &94,)' 3 : ,' ;&63' * 34' 8(' 7&848(?' 9)

J ,*&>8 (8;,?*8 : A&318&4)8 ,(,48'3,)8,'88' ' *'8'='# !' 4'8 '='# -

‘ ‘ ‘ B 98**

45,‘ &)48**,86‘ 7581 5‘ 8,(&‘ 348**‘ &3‘ ,',)‘ 1 (34&(4‘ 4 ‘ 843‘ *;‘ 5&4),;‘ 9)‘ 843‘)8'&* 1846‘ 5&;‘ =) :83,;‘ 4 ‘ 3,(;‘ 4 ‘ 45,‘ &8;‘ 9‘ 45,‘ 8 : =,)8&* &) : 6‘ 45,‘)8(1,‘ 9‘)&(?,‘ &;'&(1,;‘ 7845‘ 583‘ : &8(‘ A ;6‘ (‘ 45,‘ 45‘ 9‘ 14 A,)‘ &(;‘ =8415,;‘ 583‘ 1& : =‘ (‘45,‘ 8&(‘;8‘ 8= *8‘45,‘?,(4*6‘3* =8(?‘38;,‘ 9‘&(‘,:8(,(1,‘ A,58(;‘ 4‘ 8(8&4 ‘&A 24‘ &‘ :8*,‘9) :‘45,‘1846‘ 7&**‘ (‘45,‘ 3 245‘38;,‘ 9‘45,‘)8',)

! W X

‘

)48981&48 (‘ 9‘ 4‘ 8(8&4 L (34&(16‘ 9‘45,‘ *),(48(,3 L :&*‘3211,33,3‘ 9‘45,‘1848>,(3 L =,*,33(,33‘ 9‘45,‘1 (4,34 L ,9,148 (‘ 9‘32AH,14‘4 7(3‘ L)48,3‘ 9‘45,‘ A,38,?,;‘ 4) =3 L *),(48(,3‘ 348*‘ 5 =,92* L)?,(4‘ &==*81&48 (‘9)‘&8;‘4 ‘ ,(81, L 83&==,&)&(1,‘ 9‘8**238 (3‘ (‘4583‘ = 8(4‘ L ,8(9)1,:,(4‘ 9‘45,‘ A,38,?8(?‘ &):6 L) ?),33‘ 9‘45,‘ :=,)8&*834‘ 4) =3‘ 8(‘ 112=68(?‘45,‘4,))84)6‘ 9‘45,‘ ,=2A*81 L 89* 2*48,3‘ 9‘45,‘ ,(,48&(‘&:A&33&;)‘&4‘ *),(1, L &);8(&‘ 9‘ &,(>&‘3,(4‘A6‘45,‘ =,‘ 4‘ *),(1, L 83‘(,? 48&48 (3‘7845‘ &*&4,34& LC 48',3‘ 9‘ &*&4,34& L‘ 5,‘1846‘;,18;,3‘ (‘3,(;8(?‘,(‘ 63‘4‘45,‘ :=,))‘&(;‘ =,‘&4‘ * ?(& L 5,8)‘),1,=48 (‘&4‘ * ?(& L 5,8)‘9&8*2),‘&(;‘),42)(‘4‘ *),(1, L‘ 5,‘ :=,))‘&(;‘45,‘ =,‘&4‘ * ?(& L) (&48 (‘ 9‘45,‘9):,) L‘ ,44,)‘9) :‘45,‘&:A&33&;)3‘ 9‘ ,()6‘ ‘;,31)8A8(?‘45,‘1 (;848 (‘ 9‘ 4&*6 L &*&4,34&‘ &?*8 (8‘ &== 8(4,;‘ *),(48(,‘B,(,)&*.8(. 58,9 L‘ *,:(‘ &45‘ 4&@,(‘A6‘(8‘*45,‘ *),(48(,J‘*,&;,)3 L 211,33,3‘ 9‘45,‘ *),(48(,3‘8(‘ 3)48,3‘9) :‘45,‘7&**3 L (,99, 42&*4‘&(6‘),&‘? ;L‘ B ;‘);,)‘ :&8(4&8(,;‘8(‘45,‘1846 L (,6‘&A2(;&(4‘8(‘45,‘1846 L‘ (?)2;?8(?*6‘1 (4)8A24,;‘A6‘45,‘1848>,(3 L (,‘&** 7,;‘4‘D284‘45,‘ 1846 L 1&)1846‘9‘9 ;‘A,?8(3‘4‘A,3,',),*6‘9,*4 L (1),&38(?‘ :)4&*846‘ 8(‘45,‘1846 L &)(8'&‘?&:,3‘8(‘ *),(1, L =,‘9‘5,*=‘9) :‘)&(1‘ (4‘6,4‘&A&(; (,; L =,‘45&4‘&‘;,31,(4‘9‘45,‘B)&(;‘ 2)@‘ :8?54‘ 1&23,‘8‘;8',)38 (L 289,)8(?3‘8(‘45,‘1&:=‘9‘45,‘A,38,?,)3 L &44*,‘9‘ 15&:=8 (3‘9‘45,‘47‘=&)48,3‘2(;,)‘45,‘7&**3‘9‘ *),(1, L)284*,33‘ 3211,33,3‘9‘45,‘ *),(48(,3‘8(‘3@8):835,3‘&) 2(;‘45,‘7&**3 L) ?),33‘ 9‘9&:8(, L 4‘7&3‘A,1 :8(?‘,'8;,(4‘45&4‘45,‘1846‘7 2*;‘32112:A‘4‘ 4583‘9 ,

‘ (7‘45,‘12)4&8(‘) 3,‘4‘45,‘*&34‘&14‘ 9‘ *),(48(,‘ *8A,)46‘&(;‘ 9‘4583‘34)6

5,‘1848>,(3‘YA6‘45,‘&;'81,‘=9‘ 2 ((&)) 48‘5&;‘=*&1,;‘ 47‘?2(3‘ (‘45,‘4 7,)‘9‘ 4‘ 8(8&4 M L C4$&4 342);6‘&(;‘ ;,98&(4.* @8(?‘3D2&),‘:&33‘ 9‘ (7‘8'6.?) 7(‘:&3 ()6‘ 75815‘348*‘9) 7(3‘8(‘=8142),3D2,‘?* :‘9) :‘45,‘4 =‘ 9‘45,‘ 1 ('(4.1) 7(,;‘58**‘ (‘45,‘3:8*8(?‘1846‘8(‘45,‘'&*,‘A,* 7

*),(1,5&37,**.(8?59)?44,(45 3,;83&34) 23;&63&(; ! W X
83 3:8*8(?8(45,)&;8&(1,9 5,)(,79)42(,3 24 45,
*;4 7,) 9 4 8(8&4 :8?54 7,** 32??,34 45,9&(16 45&4
84 5&;9)?44,((458(?A24 7&3 348** ?* :8*6A) ;8(?
',) 45,3&;31,(,3 75815 7,), 45,*&34 8(75815 84 4 @
&(6 &148',=&)4 5,47 ?2(3 (45,4 = 9 4583 342);6
4 7,) 1 : :&(;,;,45,H8 3848 (3,*,14,;A6 45,)8(1,9
)&(?,9)583,(1&:=:,(4&(;;8;:215:83158,9&: (?
45,4,(43 5,?,(,)&*P3 98)34 AH,14 45,),9),7&3 4
38*,(1,45,3,?2(3 (;(45,# 45 9 14 A,)45, :<
=,)8&* &)48**,)6 &(;45&4 75815 5&; A,,(*,(4 A6 8,(&
=,(,;&?&8(34 4 8(8&4 P3 4 7,) 24 A6 45,;8),148 (3
9 815,*,?(*45,A28*;8(?5&;A,,(3 4581@*6 1&3,;
7845 A&*,3 9 7 *(*,33 45&(&45 23&(;&(;,8?54
52(;),;A&*,3 5&'8(?A,,(23,;9)45, =2)=3,45&4 45,
,(?H&6P3 ?2(3 45 2?5 34)8@8(?84 3,',)&* 48:,3=);21,;
(,99,14 2=(84ML 758*,45,98),9):843 32::84 1(<
48(2,;4 ?&** 45,:3,',),*6 F (;&*45 2?5G 7)88*,3 45,
,(,48&(&:A&33&;)F 4583 83 45,98)34 48:,45&4 4583 1846
5&3,',)5,&);45,3 2(; 9&)48**,)6 (,&)843 7&**3 45,),83
(4&:&(75 83(4 1(34&(4&(;98):8(583;,4,):8(&48 (
4 ;,9,(;84 4 45,*&34 5,),&),,8?54 45 23&(;5 8),;
3 *;8,)3 J8(45,1846 &(;98',45 23&(;(&48',:8*848& 9):
,8?54,,(4 98946 6,&)3 9&?, (;45,3,*&44,)8(((7 83,
3=&),45,:3,*',3 ()&'8;,845,)*&A 2));&(?,) A6
;&6)A6(8?54 75,45,)8(?2&);8(?45,1846 4&@8(?45,8)
42)((45,7&**3 &(;A&348 (3 8(1 (H2(148 (7845 45,
58),;3 *;8,)3)8(*&A 2)8(?&4 45,),=&8)3 9 9)48981&48 (3
)8(:&@8(?3)48,3 9)45,A4&8(8(? 9 9&318(,3 9)45&4
=2)=3,M 8(1 **,148(?75815 45,6 ;(4 &A34&8(9):
12448(?&(;*&68(?7&34,PC45,8) 7(9&):3 45&4 (458(?
:&6A,7&(48(?4 45,:),1 :=*,4,;,9,(1,9 45,1846
(4)245 45,A,5&'8 2) 9 45,1848>,(3 5,),83 &A ',&**
=)&83,)&),45,6*,33 ;8*8?,(4 8(?&8(8(?45,9&' 2) 9
!4+4.6 3,+496.:6 A6 G,3=<45 A6 %8=14.> A6 3&1)&:,(43

-' ' ' ' ' '

! W X &(;' =) 1,338 (3'8(' 75815' &*#45,' &A ',.:,(48 (,;' :8*848&' 4&@,' =&)4'ML &'4588(?' : 34'7 (;,)92*#8(' 2)'48:,3'4'5,&)' 9')'4'3,, L 45&4' &):3'35 2*;'A,'4523'1 (H 8(,;'4'=8,46' &(;'45,'9,;)' 9' B ;' 0 8458(' 45,' 1846'45,),' 83' (,845,)' 9&8(4.5,&)4,;(,33' ( )' (83,' ( )' &(6';8342)A&(1,' 9' &(6' @8(;' (,6' 83' &A2(;&(4'M &(;' &' 9,7';&63' 38(1,' 45,' '8**&'8(' 75815'45,')8(1,' 9')&(?,'83' (7'* ;?,;'4?,45,)' 7845'45,',34&4,'&44&15,;'4'84'7&3'=2A*81*6'3 *;'9)'843'92*#' '&*2,'&3' :8?54'5&','A,,(' ; (,'8(' 5&==8,)'48:,3 G'J

47845 34&(;8(?' &*#4583' &;:8)&A*,'1 (34&(16'&(;' 98):< (,33'&(;' (47845 34&(;8(?'3 :,'*844*,'3211,33,3' &?&8(34'45,' ,(,:6 L &3' 75,(' (' 45,' "45' 9' 14 A,)'9' &' 3)48,' 9' 1&'&*)6'8(4,)1,=4,;' &' 1 (' 6' 9'45,' :=,)8&*8343' A)8(?8(?' 9 ;'9) :'),>> ';83=,)3,;'45,',31)4'&(;'4 @'&'52(;),;' A,&343'*&;,(' 7845')' '838 (3'ML &3' 7,*#&3')2: 2)3'45&4'45,' :=,)8&*# 9)1,3' 7,),' &*),&;6' 5&);' =),33,;' 9)' 9 ;' &(;' 9 ;;,)'ML (47845 34&(;8(?' &*#4583'84' :234' 5&',' &==,&),;' &*: 34'1,)4&8(' 4 ' &(6'8:=&)48&*# A3,)',)' 75 ' 5&;' 5&;'&(' ==)42(846' 9' 31&((8(?' &*#45,' 9,&42),3' 9'45,' 3842&48 (' 45&4'45^'1 (4,34'1 2*;'5&',' A24' (,'1 (1*238 (' 5,'32A< H,14'4 7(3' 9'45,'A,*,&?2,),;'1846'A,?&(' 4 ' 3,,'45,' :&44,)' A24' 4 ' 1*,&)*6'8(' 45&4' *8?54' ' ,9),'45,',(;' 9' 14 A,)' 45,' 4 7(3' 9' **,'&(;' &(' B,:8?(8&(' 5&;'45) 7(' 99' 45,8)' &**,?8&(1,' 4 ' *),(1,' &(;' F ?8',(' 45,:3,*',3' 4 ' &,3&) G' 24'45,'1848>,(3' 7,),'&3' 45,' ,(,48&(' &:A&33&< ;)' &332),3' 23' ',)6'*844*,' ;8342)A,;' &4' 45,'(,73' 9' 4583' ;,9,148 (' &3' 45,6' 5&;' ;,4,):8(,;'4 ' 5 *;' (*6')&4 ' 834 8&' :=*8' 83&' &(;' ,?5)(M' F 75815' 1848,3' &(;' 9)4),33,3' &),' ?&))83 (,;' 8(' 3215' 3)4'45&4' 45,6'5&',' (' 9,&)3'1 (1,)(8(?'45,:G

(;' 9)' &758*,'45,',',(43' 9'45,'7&)'3,,:,;'4 ' H234896

J ,*&>8 (8';,?*8' :A&318&4)8' ,(,48'3,)8,'88' ' 8'8'=' # ' 5,'),&;,)'78**' A,'),:8(;,;L &3'=,)5&=3'45,' *),(48(,'1848>,(3'7,),L 9'45,' 3&*,'&4' :,' 9'45,'*&(;' ('75815' &((8A&*#7&3',(1&:=,;' 4' ,*&>8 (8';,?*8' :A&318&4)8' ,(,48'3,)8,'88' ' 8'8'=' #-

4 ' * ?(&'=) ',;'45&4' *),(1,'5&;'(458(?' :),'4 '5 =,' 9) :'45, : ' A,1&23,'45,' : 48',' 9'45,8)'H 2)(,6'45845,)' 7&3' 4 ' A,' =),3,(4' &4' &' : ,,48(?' *8,47,,(' 45,' =,' &(;' 45,' :=,))' 75815' 5&;' A,,(' &))&(?,;' 4&'4&@,' =*&1,'8(' 45&4' 1846'9)'45,' 3 *,: (' 1) (&48 (' 9' 5&)*,3' &3' :=,))' &(;' $8(?' 9' 4&*6' ,'),1,8',;' 8(' 9&14' 9) :' 45,' 5&(;3' 9' *,: ,(4' 45,' :A&);')' 4&*8&(' 1) 7(' (' 45,'C##(;' 9' ,A)2&)6' " ' &(;'45&4' 9'45,' :=8),' (' 45,'#-45' 9'45,' 3&:,' : (45

B)&;2&**6'4 '45,',(,:6'45 2?5'45,6'5&;'A,,(' &A*,'4 ' &11 :=*835' (458(?' &?&8(34' 45,' 7&**3' 9' *),(1,' &(;' 45 2?5'45,''83 *&4,;'=&33&?,3' 9'&):3'75815'7,),'1 (34&(4*6' 4&@8(?'=*&1,' 2438;,' 9'45,:'7,),'&*: 34' &*7&63' 8('9&' 2)' 9'45,' A,38,?,;'7,),'3211,3392**6' 1188==(?'45,' : 34'8:< =)4&(4' = 8(43' 9'45,' 4,))84)6' 9'45,' : : (7,&*45'&(;' 9&4&**6'12448(?' 99'45,' 32==*6' 9' 9 ;'9) :'45,'1846' (' 45,'!45' 9' ,1,:A,)'45,' :=,)8&*834'9)1,3'4 @' &34)&'&(;' 8?(&'=*&1,3'&A 24'3,',(':8*,3'9) :' *),(1,' ('45,')8',)' 1 : :&(;8(?' 45,'1 : :2(81&48 (' 7845' 83&' &(;' &**' 45,' * 7,)' &*';P)(' (;/45,'),32*4' 9'4583'&(;' 9'38:8*&)' :839)42(,3'8(' 45,)';8),148 (3'7&3'&*),&;6':&@8(?'843,*9' 9,*4'8('45,'1846'75815'7&3J'A,?8((8(?'4'3299,)'9) :'31&)< 1846''F*&:'1 :=,**,;'A6'(,1,33846 G'7)84,3' ,33,)' &)*' &==,**' 4' 45,' ?,' F'4' 4,**' 6 2)' 8?5(,33'45&4' 45,' ,O=,(3,' 9'*8'8(?'5,),'8('4583'34&4,' 9'7&)'&(;'38,?,'83'1 (< 48(2&**6'8(1),&38(?' 4' 5&3'*&44,)*6'A,1 :,' ; 2A*,'9) :' (,';&6'4'&(45,)M 8(' 3215'3)4'45&4' 84'83'8:= 338A*,'9)' :,' 4' *8',' 5,),' (' :6' 3&*&)6')' (' :6' 7(' 3:&**' :,&(3 G J

,',)45,*,33'5,'7)84,3'&4'45,'3&:,'48:,'45&4'45,'1848>,(3'),:&8(98):'8(' 45,8)';,4,):8(&48 (' F',845,)'4'=),3,)',' 45,8)'*8A,)46')'3'4'A,&)'45,:3,*',3'45&4'89'45,6'*3,'84' &94,) 5&'8(?'* 34 &**' 45,6'=33,33'('(,'&:(?'45,:

K' 35&**' 32)'8',' 84'&(;' :,(' 35&**' 5,),&94,)' 3&6' /4*,),' (1,' 34 ;' *),(1,QP G

5,'*,44,)3' 9) :'45,' ,(,48&('&:A&33&;)'4 '583'? ',)(< :,(4' 5,(1,9)7&);' A,?8(' 4 ' A,' *,33' 9),D2,(4' F' ' 5&',' ;,*&6,;' 7)848(?' 4 ' 6 2)' *8?5(,33' 48**' (7 G' 5,' 3&63' (' 45,'#!45' 9' ,1,:A,)' F'8('1 (3,D2,(1,' 9'45,';899812*46' 9' 98(;8(?' :,33,(?,)3' 75815'83'A,1 :8(?' ?),&4,)' 9) :';&6'4 ' ;&6' A,1&23,' 45,' ,(,:6' &),' 8(9,348(?' ,',)6' =&)4' 9' 45,' 4,))84)6 G' (' 45,' 3&:,' *,44,)' 45&(@8(?' 45,' ?,' 9)' ?)&(48(?' 45,'8(1),&3,' 9'3&*&)6'75815'5,'5&;'&3@,;' 5,'3&63' 45&4' 45,')83,' 8(' 45,' 1 34' 9' *8'8(?' 8(' *),(1,' 83' 348**')&=8;*6'8(1),&38(?'&(;'A,1 :8(?'8(32==)4&A*,' 9'1 2)3,' 45,' 31&)1846' 7&3'9,*4'9&)' : 8P,'3,',),*6'A6'45,' :&33' 9' 45,' 1848>,(3' 75 3,' 3299,)8(?3' 9) :' 4583' 1&23,' 7,),' A,?8((8(?' 4 ' A,' ',)6'=&8(92**6'9,*4

&)*6'8(' E&(2&)6' " ' 88 *9 ' 8 ' 835 =' 9' &,(>&' &(;'&94,)7&);3' &' &);8(&*' =),3,(4,;' 58:3,*9' 8(' *),(1,' ;,38)8(?' 4 ' 1 (9,)' 7845' &*&4,34&' &?*8 (8' (' A,5&*9' 9' 45,' =,' (;'5,'7&3'&** 7,;' A6'45,'? ',)(:,(4' 4 ' A,1 :,' 45,' ?2,34' 9' 45,' ?,(,)&** 8(' 583P5 23,'&(;' 4 ' 4),&4' 7845' 58:'=)8'&4,*6'8(',)9,14' 9),,; :' &)158' 4,**3' 23' 45&4' 4583' &?,(4' 9' *,:,(4' 5&;' A,,(' 3,(4'&4' 45,' =)8'&4,' 8(348?&48 (' 9' &*&4,34&' 58:3,*9M &;;8(?' 45&4' 84' 83' ;898812*4' 4 ' 2(;,)< 34&(;' 75&41 2*;' 5&','A,,(' 45,' ?,(,)&*P3' : 48','8(' :&@8(?' 3215'&('&==*81&48 (' 4 ' 45,' (4899 J' 5,'5834)8&(' 32??,343' 45&4'=,)5&=3' &*&4,34&P3' AH,14'7&34 ' A4&8(' 3 :,'&:,*8)&< 48 (')')&48981&48 (' 9' 45,' 4,):3' 75815' 5&;' A,,(' :&;,' A,47,,(' 45,' =,'&(;' 58:'),3=,148(?' 45,' ?8'8(?' 2=' 9' ,)2?8&' 24' 84' 7 2*;' 3,,:' 9&)' :),';899812*4' 4 ' 2(;,)< 34&(;' 45,' 1 (;214' 9' 45,' *),(48(,' ? ',)(:,(4' 8(' =,)< :8448(?' 3215' 3,1),4' 1 (9,),(1,3' 4 ' A,' 5,*;' A,47,,(' &(' ,:833&)6' 9' 45,8)' 8:=*&1&A*,' &(;' &3424,',(,:6' &(;' 45,8)' 7(' A6' (' :,&(3' 8)),=) &15&A*6'9&84592** ?,(,)&*' &*&.

4,34&' 7&3' ,O1, , ;8(?*6' &(O8 23' H234' &4' 45&4' 48 : ,' 4 ' 5&' ,' 45, ' %
&== 8(4 : ,(4' &(;' F' Aj4 ('G' 9' *),(48(,' ?,(,)&*.8(.158,9'
1 (9,)),;' 2= ('58 : ')1 *,' 3_(' 9' 45,' 2@,' 9' ,))&)&'
5&;' 5,*;' 45&4' 34&48 (' 2(48*' 45,' 1* 3,' 9' 45,' 6,&)' # '
45 2?5' 5,' 5&;' (,',)' ;8315&)?,;' &(6' 9' 45,' ;248,3' A,* (?<
8(?' 4 ' 84 ' &3' 5&3' A,,('3,,(' 5,' 4,) : '9)' 75815' 583' F1 (.'
; 44&' G' 5&;' A,,('1 (9,)),;' (' 58 : ' 5&;' (7',O=8),;' &(;'
&*&4,34&' 7&3' : &@8(?' ,',)6' ,99)4' 4 ' A,' (&: ,;' 583' 321<
1,33)' (;' =,)5&=3' 45,' *),(48(,' ? ',)(: ,(4' : &6' 5&','
45 2?54' 45&4' 84' 7&3' (4' 4 ' A,' 32== 3,;' 45&4' 2(;,)' 45,3,'
18)12 : 34&(1,3' 45,' : &(' 75 ' 7&3' ,&?,)*6' 3,,@8(?' 4583' =) <
: 48 (' &4' 45,8)' 5&(;3 .C&' =) : 48 (' 9' 75815' 45,' : &8('
'&*2,' 4 ' 58 : ' 7 2*;' 1 (3834' 8(' 45,' ? ;' 23,' 5,' 35 2*;'
: &@,' 9' 84 L 7&3' &4' 45,' 3& : ,' 48 : ,' =* 448(?' &?&8(34' 45, : '
(;' 84' : &6' A,' 45&4' 45 3,' 4 ' 75 :' 45,' 1 (;214' 9' 45,'
? ',)(: ,(4' 8(' 4583' : &44,)' 3,, : 3' 4 ' 5&',' A,,(' ,O4)&<
);8(&)8*6' ',).1 (98;,(4' &),' *,;' &3' 83' 3 ' 94,(' 45,' 1&3,'
4 ' 45,' 9) : &48 (' 9' 45&4' =8(8 (' 8(' &' ?),&4,)' ;,?),,' 45&('
83' H234' A6' 45&4' @(7*,;?,' 9' 32A3,D2,(4',',(43' &(;' 45&4'
36(=481&*' '8,7' 9' 45,' 15&)&14,)' 9' 45,' : &(' &3' ,O58A84,;'
A6' 45, : ' 75815' 7,),' &4' 45&4' 48 : ,' 58;;,('9) :' 45 3,' 75 '
5&;' 4 ' ;,18;,' (' 45,' *8(,' 9' 1 (;214' 45,(' : 34' ,O=,;8,(4'
,)6' =) A&A*6' &*3 ' 45,' *),(48(,' 8?( )6' 7&3' 8(9*2,(1,;'
A6' &' *8(?,)8(?' 5 =,' 45&4' &(6' : ,&(3' 9' =,(8(?' (,? 48&48 (3'
7845' 45,' (4899' : 8?54' 6,4'),32*4' 8('),*,&38(?' 45,' 1846' 9) :'
45,' 8(1),&38(?*6' 4,))8A*,' 1&*& : 848,3' 9' 45,' = 3848 (' 8(' 75815'
84' 7&3' =*&1,;' A6' 843' 5 348*846' 4 ' 58 :

0 5&4' =)8'&4,' : &44,)3' : &6' 5&',' A,,(' ;831233,;' A,47,,('
45,' 835 = 9' &,(>&' &(;' &*&4,34&' 7,' 5&',' (' : ,&(3' 9'
@(78(?' 24' 45,' =&4,(4'),32*4' 9' 45,8)' 1 (9,),(1,3' 7&3'
&' 34) (?*6' 2)?,;' =8(8 (' !K' 45,' =&)4' 9' &*&4,34&' 45&4' 45,'
1846' 7 2*;' ; ' 7,**' 4 ' 3,(;' 6,4' &(45,)' , : A&336' 4 ' *, : ,(4'
75 ' 7&3' 45,(' &4' * ?(&' 5,' D2,348 (' 75,45,)' 4583'
&;'81,' 35 2*;' A,' 4&@,(')'),H,14,;' 7&3' ',)6' 7&) : *6'
;,A&4,;' 8(' *),(1,' &(;' 45,' ? ',)(: ,(4' ;,18;,;' (

1 (32*48(?‘ 45,‘ B),&4‘ 2(18*‘ (‘ 45,‘ 32AH,14‘ 583‘ 7&3‘ ; (,M‘ &(;‘ 4A,‘),32*4‘ 7&3‘ &‘ ' 4,‘ 9‘ """‘ ' 4,3‘ 8(‘ 9&' 2)‘ 9‘ 45,‘ ,: A&336‘ &?&8(38M N ‘ 8(‘ == 3848 (‘ 4 ‘ 84 J‘ 5,‘ *&)?,(,33‘ 9P4583‘ :&H)846‘ 8(‘ 9&' 2)‘ 9‘ 3215‘ &‘ :,&32),‘ :&6‘ A,‘ 4&@,(‘ =,)5&=3‘ 89‘ 7,‘ A,&)‘ 8(‘ :8(;‘ 45,‘ &A3 *24,‘ &(;‘ &*: 34‘ 8(32*48(?‘ 9&8*2),‘ 9‘ 9):,)‘ 4,(4&48',3‘ 9‘ 45,‘ 3&:,‘ 3)4‘ &(;‘ 45,‘ &(?)6‘ ;,4,):8(&48 (‘ 9‘ 45,‘ 1848>,(3‘ 4 ‘ 98?54‘ 24‘ 45,8)‘ D2&)),* 7845‘ 45,‘ (4899‘ F‘4 ‘ 45,‘ A844,)‘ ,(; G‘ 75815‘),32*4,;‘ 9) :‘ 45 3,‘ 9&8*2),3‘ &3‘ &‘ 36:=4 :‘ 9‘ 45,‘ 3,',)846‘ 9‘ 45,‘ 3299,)8(?‘ 75815‘ 7&3‘ A,?8((8(?‘ 4 ‘ 4)6‘ 45,8)‘ 1 (34&(16‘ &(;‘ 98):(,33

(‘ 45,‘ !45‘ 9‘ E&(2&)6‘ 47 ‘ &:A&33&;)3Q‘ 7,),‘ &=< = 8(4,;‘ &(;‘ (‘ 45,‘ -45‘ 45,6‘ 34&)4,;‘ 9)‘ * ?(&‘ F (;‘ 3,',)&* 6 2(?‘ :,(‘ 9‘ *),(1,‘ 3,4‘ 24‘ 7845‘ 45,:‘ 3 :,‘ 9)‘ ;899,),(4‘ : 48',3‘ &(;‘ 3 :,‘ 9)‘ 45,‘ 3&@,‘ 9‘ 3,,8(?‘ 45,‘ 1) (&48 (‘ 9‘ 45,‘ :=,))‘ &: (?‘ 75 :‘ 7&3‘ ,(,;,44 ‘ &)158‘ 45,‘ 7)84,)‘ 9‘ 4583‘ 5834)6 G‘ 5,‘ 34)6‘ 9‘ 45,8)‘ ,:< A&336‘ 7&3‘ (,‘ 9‘ 9&8*2),‘ &(;‘ =),:,;84&4,;‘ 8(32*4‘ 45) 2?5 24‘ 5,‘ =,‘ 7&3‘ (4‘ (*6‘ &*4 ?,45,)‘ 2(68,*;8(?‘ A24‘ 5&)35‘ ,',(‘ 4 ‘ ;831 2)4,36‘ 8(‘ 583‘),1,=48 (‘ 9‘ 45,:‘ 5,‘ :< =,))‘ 5&;‘ (458(?‘ 4 ‘ 3&6‘ 4 ‘ 45,:‘ A24‘ 45&4‘ 45,6‘ :234‘ A,‘),1 (18*,;‘ 4 ‘ 45,‘ =,‘ A,9),‘ 5,‘ 1 2*;‘ *834,(‘ 4 ‘ 45,:‘ 5,‘ &);8(&*3‘ 75 :‘ 45,‘ 2(5&==6‘ &:A&33&;)3 L 458(@8(?‘ 84‘ 45,8)‘ ;246‘ 4 ‘ *,&',‘ (‘ 34 (,‘ 2(42)(,;‘ A,9),‘ 45,6‘),< 42)(,;‘ 4 ‘),=)4‘ 45,‘ 244,)‘ 9)284*,33(,33‘ 9‘ 45,8)‘ ,99)43 L ‘ '8384,;‘ 8(‘ 3211,338 (‘ 7,),‘ ,845,)‘ 1 2)4, 23*6‘ ,'&38',‘)‘ ;831 2)4, *83*6‘ 8:=,)8 23‘ &(;‘ 45),&4,(8(?‘ 5,‘ :=,))P3‘ 1 (9,33)‘ 4 @‘ 84‘ 2= (‘ 58:3,*9‘ 4 ‘),&;‘ 45,:‘ &‘ *,142),‘ (‘ 45,‘ *&7‘ 9‘ 45,‘ :=,)8&* 3 ',),8?(46‘ A6‘ 75815P5,‘ 35 7,;‘ T45&4 *),(1,‘ 5&'8(?‘ 9)9,84,;‘ A6‘),A,**8 (‘ &** 15&)4,),;‘)8?543‘ :234‘ (7‘1 (38;,)‘ 5,)3,9‘ &4‘ 45,‘ &A3 *24,‘ ;83= 38< 48 (‘ 9‘45,‘ :=,))M‘ F‘3=,&@8(?‘45,3,‘458(?3‘ 7845‘ &‘ ?)&',‘ 9&1,‘ &3‘ 89‘ 5,‘ &A3 *24,*6‘ A,*8,',;‘ 75&4‘ 5,‘ 7&3‘ 3&68(?G

7)84,3' &)1588' 5,' 1 2)48,)3' &=&*' &(;' :=,)8&*' 7845' '
75 :' * ?(&' 7&3' 1) 7;,;' = 8(4,;' &4' 45,:' &3' 45,6'
=&33,;' 45) 2?5' 45,' 34),,43' &(;' 4&2(4,;' 45,:' 7845' 45,'
9248*846' 9' 45,'9 *P3' ,))&(;' (' 75815' 45,6'5&;' A,,(' 3,(4
4' 7&3' 3&8;' &4' 45,' 48:,' &)1588' 4,**3' 23' 5 (,34*6' ?8'8(?'
45,' 18)12:34&(1,' &3'&'),=)4' 9' 45,' &112)&16' 9' 75815' 5,'
7&3' (4' 1,)4&8(' 45&4' 45,' 15&:A,)' 75815' 7&3' &338?(,;' 4 '
45,' &:A&33&;)3' &3' 45,8)' * ;?8(?'5&;' A,,(' A6' *,:,(4P3'
);,)' 34)8==,;' 9'843' A)81@'9*)8(?'8(');,)'45&4' 45,'1 (<
',)3&48 (' 9' 45,' *),(48(,',(' 63' A,47,,(' 45,:3,*',3'8('
45,' 32== 3,;' =)8'&16' 9' 45,8)' 7(' &=&)4:,(4' :8?54' A,'
',)5,&);'A6'=,)3 (3' =*&1,;'9)' 45&4' =2)= 3,'8(' 45,') :' '
A,* 7'45,:

(' 45,' N45' 9' ,A)2&)6'45,' &:A&33&;)3'),42)(,;' 7845'
5,&'6'5,&)43' 4 ' 45,' A,*,&?2,),;'&(;' (7'34&)'8(?'1846'4 '
),=)4' 45,' 244,)' 5 =,*,33(,33' 9'&**' &44,:=43' &4' A4&8(8(?'
&(6458(?'9) :' 45,' H23481,')' 1*,:,(16' 9' ,845,)' =,')'
:=,))' &(;' *,94' 45,' 45) (?' 9' 58?5' &(;' :8?546'=,)<
3 (&?,3'1&(;' ;8)48,)3' 75 ' 7,),' &33,:A*,;'&4' * ?(&'4 '
45,' :&?(8981,(4'=,)9):&(1,' 9'45,'98)34'=&)4' 9'45,'A&)?&8('
75815'A&;'38?(,;'45,' ;,&45.7&))&(4' 9' 4&*8&('*8A,)46

5,' :,,48(?'&4'45&4'1846'7&3' 9'1 2)3,'&'3&4839&14)6'&(;'
F'?*)8 23'G' (,'9)'A 45' 9' 45,' 1 (4)&148(?' =&)48,3' '
7&3'? 8(?'7,**9)'45,' 5 =,3' 9',&15' 9'45,:' 5,' 81&)'
9' 5)834'7&3'7,**&332),;'45&4'45,',O4),:846' 9':83,)6'&(;'
9&:8(,'7|&3'7)@8(?'4 '583'78**'784588('45,'7&**3' 9' *C,(1,
,' 5&;'3,12),;' :), ',)'45,'8(4,),34,;'1 . =,)&48 (' 9'
45,' :=,))'8(' 45,'7)@' 9'98(&**6'&(;';,98(848',*6'&==) <
=)8&48(?' *),(1,'&3' &(' 5,)84&?,' &(;'= 33,338 (' 9)'583'
9&:8*6' 5&)*,3' (' 583' 38;,'7&3'A6'583' =,)&48 (3'A,9),'
*),(1,'=) '8;8(?'45,'1) 8'(' 9'&' 3 ',),8?(';215,33' 9)'
583';&2?54,)'&(;'7&3'&A 24'4 '),1,8',' 7845'&**;2,'&(;'
1 :9)48(?'&11 :=&(8:,(4' 9'5 *6'=)&6,)3' &(;'A*,338(?3'
45 3,' ;,&)' AH,143' 9' 583' @8(?*6'&:A848 (' 45,'1) 7(3' 9'
4&*6'&(;' 9'45,' :=8),

4 83 8(4,),348(?8(4583=8(4 9'8,7'4 A3,)',75&4 3!
7&3 45,'34&4,' 9 3 18&* *89,'8(' 4&*6'758*,'843')2*,)3 7,),'
4523 5&==8*6'),?2*&48(?45,8)'&98&8)3'&(;'4 ':&)@'4 '75&4
=8415'45,'783; :' 9 45,8)')2*,'5&;'A) 2?54 458(?3'8('45&4
?&);,(' 9 :P=,' 5,'(&48','5834)8&(3 9 45,'48:,'&**
&?),,'8('*&:,(4&A*,')),=),3,(4&48 (3 9 45,'?,(,)&* 34&4,' 9
45,'1 2(4)6M A24 84 78**A,' :),'8(4,),348(?4 '45,' (?*835
),&;,)'4 '3,,'45,'8:=),338 (':&;,'A6'45,8)'H 2)(,6'45) 2?5
45,'1 2(4)6' ('&1 2=*,' 9 (?*835:,('75 '7,),'=),3,(4
('45&4 11&38 ('&4 * ?(&

5J 815 *&3 &8P,7'&(;' 815&);' &:=3 (' ,()6' P3
&:A&33&;)3 4 '45,'1 (9,),(1,'7)84,'&3 9 ** 73 4 '45&4
:(&)15 9):'F (8,'45,' #45';&6 ,1,:A),G

94,)'3&68(?45&4 45,8)',O=,(3,3&),'3 ''),)6'?),&4 45&4
45,6':234 45) 7'45,:3,*',3 ('45,'$8(?P3 &33834&(1,'3,,<
8(?45&4 45,'=) '838 ('75815'45,6'5&;'A,,('*,;'4 '458(@
7 2*;'A,',(2?5'9)'45),,':(453'5&;'42)(,;' 24 4 'A,'
8(3299818,(4 9)' (,M &(;'45&4 8('1 (3,D2,(1,' 9F45,'244,)'
;,34)2118 (' 9 45,'5 *,'1 2(4),6'8('&:&((,)',',)6458(?83
3 *;'9)'45,'7,64,' 9?*;G 45,6'1 (48(2, L

F 4 83' 5,'45,':34 =848,'4 '3,,'4583'1 2(4),,'&3 7,'
32== 3,'45&4 ,',)' 7&3 8(J 5)8346(; :M 8('3 :,'=*&1,3
45,)'5)3:,4,'()':&(P3:,4,'4 'A,'9 2(;M 45,'? ;*6'
4 7(,3';,34) 6,;'&(;';,3 *&4,' ,4780 4,' ,)1,8**,3 J A,.'
*(?6(?4 '45,' 2@,' 9 &'6,'&(;' &'6,'45,'3=&1,' 9
"' :8*,3'45,':34 ? ;*6'1 2(4),,'9)'1 :,'&(;''6(,3
45&4 :&6'A,'3,,('83 3 ';,3 *&4,'8('&** 45&4 7,6,'7,'3&7,'
(':&(')'7 :&('*&A),)3 8('45,'96*;,'()'6,4 1),&4 2)'
34)8(?M A24 8('?),&4 '8**&8?,3 ')'!':63,)&A*,'=,)3 (3M
3&'6(?8('&** 4583 7,6,'7,'3&7,'45),,'7 :,('8(' (,'=*&1,'
?&45,)8(? 9 ?)&=83 6,44 =('45,''6(,3M 9)'45,),'&),'
(45,)''6(,3);,)6;'&(;'@,=4,'()'1 :,'3&',;'8('&** 45&4
7,6,'()'=,)3 ((,3 4 '?&45,)'45,'?)&=,3'45&4 ?) 7645

! " 2== (' 45,' '6(,3'M A24' 45,' 'H(,3' ?) 7645' 76*;' ' ?),&4' 1 2(4),63' &(;' 5&(?8(?' 92** 9' 1*234,)3' 9' ?)&=,3' (' 4583' :6;;, 7,6,'83' &'4 7(,' 45,' 75815' 5&45' A,,(' (,' 9' 45,' ? ;*6' 4 7(,3' 9' 4&*6,' 1&**6;' 8?,'&'M ' 45,),'83' &'34) (?' 5 *;'M 45,' 4 7(,' 83' &** ;,34) 6,;' &(;' 8(' :&(,)' ;,3 *&4,' &'6,' 83' 8(' *6@,' :&(,)' &(;' ?),&4' =846,'M 45,' 156*;)6(' @)6,(?' &A 24' 45,' 34),&4,3' 9)' A),;' &(;' 6,&' ;68(?' 9)' 52(?),' 5,6' 3,6,' 45&4' &** 45,' 5 *,' =,2=*,' 9' 45&4' 1 (4),6' &(;' ;6',)3' 45,)'=*&1,3'8(' 4&*6&' &3' 45,' =,' &*3' 35,76;' 23' 7845' :&(6' 45,)' 7845' 7&)),' 9&:8(,' &(;' =,348*,(1,' &),' 244,)*6' ;,&;;,' &(;'? (,'M 3' 45&4' 45,),'83' (' 5 =,' :&(6' 6,),3' 45&4' 4&*6&' 35&*A,' &(6' 458(?' 7,**),34),;' 9)' 7&(4,' 9' =, =*,'M &(;' 4583' ;,34)2148 (' 5&45' A,,(' &3' 7,** A6'),(15,' :,(' &3' 45P)&=,) 2)P3'M 9)'45,6' 3,6' 45&4' (3P' ;,' &(4),6?54' ;,34) 6,;' :215,' 75,),' &3' 5,=&336; G9

(' 45,' 45' 9' E&(2&)6' "' &*&4,34&' &?*8 (8'),< 1,8',;'45,'Aj4 (' 9' B,(,)&*.8(. 58,9' 9'45,' *),(48(,' :< : (7,&*45' 7845' !-""' ;21&43' 9' 6,&)*6'=&6'&(;' &' A ;6' ?2&);' 9' 47' 52(;),;' *8?54' 5)3,' 98',.&(;.47,(46' 9),,' *&(1,3'&(;' &3' * (?' &3' 45,' 7&)' 35 2*;'*&34' &'45 23&(;'9 4' 3 *;8,)3' (' 45,'9 ** 78(?' ;&6'45,' (,7'?,(,)&*' 7845' &** 45,' 1&=4&8(3' 9' &** &):3' 8(' 45,' 1846' 4 ?,45,)' 7845' 45,' 1 : :833&)8,3.?,(,)&* 9)' 45,'1 (;214' 9'45,'7&)'&33,:A*,;' 8(' 45,' 152)15' 9' 4' 815 *&3'&(;' 45,),' &94,)' 45,' 1,*,< A)&48 (' 9' &' :&33',&15' :&(' &;'&(18(?'4' 45,'&*4&)'4 @' &' 3 *,:(' &45'8(' (' 1&3,'&(;'8(' (783,' 4' &A&(; (' 45,';246' A,9),' 45,:'M A24' 7845 24'),?&);' 4' 9&8*2),' 9':(,6')' 9' 9 ;' 4' ;,9,(;' 45,' 1846'&3' * (?' &3' 45,6'5&;' 34),(?45' *,94'4' 34&(;'2=)8?54'

24' 45,' (2:A,)' 9' 45,' A,*,&?2,)8(?' 9)1,3' 7&3' ,=(.' 48(2&**6' A,8(?' 8(1),&3,;' &(;' 45,' 1846' :),' 1 :=*,4,*6' A* 1@&;,;' 4' 45,',O1*238 (' 9'&**= 338A8*846' 9'8(4) ;218(?

'" 4>6+8.,' %' #1816' 8563='%' 6.3;' O ' +,2' +44' 5' ' T' 62874,.4' 96>24') E8=:481,34' O68614' '=6346'44' +,2' 4' 5'

9 ; ' ,',)45,*,33' 3@8) : 8358(?' 7&3' 348**' 9),D2,(4*6' 4&@8(?' =*&1,' A,(,&45' 45,' 7&**3' &(;' 9)' 45,' : 34' =&)4' &11);8(?' 4 ' 45,' 4,348 : (6' 9' 45,' ,(,48&(' & : A&33&;)' 4 ' 45,' &;< '&(4&?,' 9' 45,' *),(48(,3' 24' 3215' 3211,33,3' 45 2?5' 45,6' 3,)',;' 4 ' @,,=' 2=' 45,' 5,&)43' &(;' 1 2)&?,' 9' 45,' 1848>,(3' 7,),' 2(=) ;2148',' 9' &(6'),&*' &;'&(4&?,' (;' 45 2?5' 45,' A,38,?,;'1 (48(2,;' 7845' 2(),:8448(?' 8(;234)6' 4 ' : 2*48=*6' 45,' ;,9,(1,3' 7845' 75815' 45,' A,38,?,)3' 7 2*;' 5&',' 4 ' 1 (4,(;' 89' 45,6' 35 2*;' &44,:=4' 4 ' 4&@,' 45,' 1846' A6' &33&2*4' 84' 3,,:,;' &3' 89' 45,8)' *&A 2)' 4 ' 4583' ,(;' 7 2*;' A,' ,D2&**6' 9)284*,33')' 45,),' 7&3'),&3 (' 4 ' A,*8,',' 3&63' 45,' & : A&33&;)' 45&4' 45,' :=,)8&*?,(,)&*;8;' (4' 1 (4,:=*&4,' &(6' 3215' &44,:=4M A24' 7&3' ;,4,):8(,;' =&48,(4*6' 4 ' &7&84' 45,' 32),)' 45 2?5' 3* 7,)' =,)&48 (' 9' 9& : 8(,

F' 24' 45 2?5' 45,' ;899812*48,3' &(;' 3299,)8(?3' 8(1),&3,' ;&8*6 G' 7)84,3' 45,' ,(,48&(' F6,4' 45,' ? ;');,)' :&8(< 4&8(,;' 78458(' 45,' 1846' 83' 3215' &(;' 45,' 1 (34&(16' 9' 45,' 1848>,(3P : 8(;3' 3 '?),&4' 45&4' (A ;6' 7 2*;' 8 : &?8(,'9) :' 45,' &3=,14' 9' 45,' 1846' 89' 45,6' 7,),' (4' &7&),' 9' 45,' 9&14' 45&4' 84' 7&3' 32)) 2(;,;' A6' &' 5 348*,' 9)1, GJ

&)158' &*3 ' 3=,&@8(?' 9' 45,' 3& : ,' =,)8 ;' &(;' 45,' 3& : ,' 1 (;848 (' 9' 458(?3' 7)84,3

F' ,3=84,' &**' *89,' 7,(4' ('8(' *),(1,' (4' (*6' 7845 24' 9,&)' A24' 7845 24' 323=818 (' 9' 1&23,' 9)' 84' (;' & : 8;' 3215' &' : &33' 9' 34)&(?,)3' 9' 3215' '&)8 23' @8(;3') ;,)' 7&3' : &8(< 4&8(,;' &3' 89' 45,),' 5&;' (4' A,,(' &' 3 2*' 3&',' 45,' 1848>,(3' 7845 8(' 45,' 7&**3' 5,' 35 =3' 7,),' @,=4' =,(M 45,' : &?83.C' 4)&4,3' 5,*;' 45,8)' 1 2)43' &3' 232&*' 45,' '&)8 23' 92(148 (3' 9' ? ',)(:,(4' 7,),' 1&))8,;' (M 8(' 45,' 152)15,3' 45,' 232&*' 3,)'81,3' 7,),' =,)9) : ,;M 45,' "))"' &(;' 45,' : &)@,4' 7,),' 9),D2,(4,;M 45,),' 7,),' (,845,)' 42 : 2*43' & : (?' 45,' 3 *;8,)3' ( )' ;83=24,3' & : (?' 45,' 1848>,(3')' 45 2?5' 45,),' 7,),' & : (?' 45,:' : &(6' ;831 (4,(4,;' &(;' ;83&99,14,;' 5 *;8(?

2 ! 8,

'&)8 23 =8(8 (3 &(; A,* (?8(? 4 '&)8 23 9&148 23 45,6 (,',)45,*,33 &A34&8(,; 9) : D2&)),**8(? ,845,) A6 ;,,;) 7);M 3&68(? / 583 83 (48 : , 9) 9 **6 Q ,4 23 ?,4)8; 9 45, ,(, : 6 9) : &) 2(; 2) 7&**3M &(; 45,(7, 7 8** 3,44*, 2) 7 (;83=24,3 P (; &4 &** 45, 34),,4 1)(,)3 : 8?54 A, 3,,(7)844,(8(*&)?, *,44,)3 ,845,) .8(15&*@) 15&)1 &* 45, 7);3 /) A24 9),, P G J

2)8(? 45, : (453 9 &)15 &(; =)8** 45, 1846 348** @,=4 2= 843 5,&)4 &(; 1 2)&?, 8(45, 9&1, 9 ;&8*6 8(1),&38(? ;89* 12*48,3 &(; 3299,)8(?3 (,6 7&3 (4 7&(48(? 8(45, 1846M &(; 45, ? ',)(: ,(4 5&; *844*, ;899812*46 8( )&838(? 75&4,',) 32==*8,3 7,), (,,;,; (&)15 & 52(;),; 1848>,(3 7,), (&: ,; A6 45, 8?( )6 75 7,),),D28),; 4 *,(; & 52(;),; ;21&43 ,&15M 98946 75 7,), 4 92)(835 47 52(;),;M &(; 47,(46.98', 75 7,), 4 1 (4)8A24, 45),, 52(;),; ,&15 (,7 4&O 4 45, &: 2(4 9 & 52(;),; &(; 98946 45 23&(; ;21&43 7&3 8: = 3,; &(; &** 45,3, 32 : 3 7,),),&;8*6 =&8; 5, ? ;3 9 ,11*,38&34813 &(;),A,*3 7,), 3 *; A 45 8(*),(1, &(; 8(83& &(;P ',)6 *&)?, 32 : 3 ;)&7(9) : 4583 3 2)1, 24 45, &A2(;< &(1, 9 : (,6 ;8; (4 8: =*6 &A2(;&(1, 9 9 ; 5, ;21&43 1 2*; (4 A, ,&4,(F 4 83 1*,&) G 7)84,3 45, ,(,< 48&(&: A&33&;) (45, #!45 9 =)8* F 45&4 45,), 83 (;&(?,) 45&4 : (,6 35 2*; 9&** 35)4 ,3=,18&**6 &3 &**),< 42)(3 8(4 45, =2)3,3 9 45, 1848>,(3 A6),&3 (9 45, ,( ) : 23 32 : 3 7 5815 84 1 343 45, 3 *;8,)3 4 *8', 5,6 ;)&7 84 83 4)2, ,O1,338',*6 *&)?, =&6M A24 ,',)6458(? 83 A,6 (; :,&32), ;,&) L 3 45&4 ,',(7845 :215 :), : (,6 45,6 1 2*; (4 32==)4 45, : 3,*',3 5,),32*4 83 45&4 :&(6 5&', ;2)8(? 45, *&34 9,7 ;&63 D2844,; 45, 1846M 3 45&4 45,), ; (4), : &8(8= 84 :), 45&(38O 45 23&(; 8(9&(4)6 24 45,3, &), &** 15 81, 3 *;8,)3 &(; 7,** ;83< = 3,; 7 8** (4 1 (1,&* 45, 9&14 5 7,',) 45&4 :&(6 9

45,' 1848>,(3' &(;' 9' 45,.1846' :8*848&' 5&',' *,94' 45,' 1846' 9*68(?' 9) :' 45,' 8(1 (',(8,(1,3' &(;' 3299,)8(?3' 9' *89,' 7845 8(' 45,' 7&**3' 24' (7' 3215' ? ;' ?2&);' 83' @,=4' 45&4' 84' 83' 8:< = 338A*,' 9)' &(6' :),' 4 ' 98(;' 45,' :,&(3' 9' ?,448(?' 24' 9' 45,' 1846 GJ' :,' 48:,' =),'8 23' 4 ' 4583' 84' 5&;' A,,(' ;,18;,;' 45&4' :,&4' 35 2*;' A,' 3 *;' (*6' 4 ' 45,' 3 *;8,)3' 24' (7' 45,' 31&)1846' 9' &** 45,)' 9 ;' 7&3' :&@8(?' 843,*9' :),' &(;' :),' 3,',),*6' 9,*4' 9) :' ;&6' 4 ' ;&6' 5,'),32*4' 9' 8(329*818,(4' (2)835:,(4' &(;' 9' F' 2(7 (4,;' &)481*,3' 9' 9 ; G' 7&3' A,?8((8(?' &*3 ' 4 ' :&(89,34' 843,*9' 8(' &')&=8;*6.' 8(1),&38(?' :)4&*846') :' 45,' 45' 9' &)15' 4 ' 45,' 4A' 9' =)8** 45,),' 7 ,),' 98',' 45 23&(;',8?54' 52(;),;' &(;' 38O46' ;,&453' 8(' 45,' 1846 9

(' 45,' :8;34' 9' &** 4583' 3299,)8(?' 5 7,',)' 45,' *),(< 48(,3' :),' 84' :&6' 7,** A,' A,*8,',;' 98 :' A)&'&; ' &(;' 45,' ;,388P,' 4 ' 35 7' (,' &(45,)' &3' 7,** &3' 45,' ,(,:6' 45&4' 45,6' 7,),' (4' * 38(?' 1 2)&?,' 45&(' 9) :' *8?54(,33' 9' 5,&)4' 7 2*;' (4' *,4' 45,' 1&)(8'&** =&33' 7845 24' 3 :,' &4' *,&34' 9' 843' 232&** 9,348',' ; 8(?3' 5,' &11234 :,;' ?&:,' 9' F' 1&*18 'G' 7&3' 1,*,A)&4,;' 7845' :),' 45&(' 232&** = :=' 8(' 45,' 8&>>&' 9' &(4&') 1,M' &(;' 45,' =*&6,)3' F 8(');,)' 45&4' 45,6' :8?54' A,' 3,,(' A6' 45,' ,(,:6' &3' 7,** &3' 5,&);' 34&48 (,;' &' =)48 (' 9' 45,' :23818&(3' 7845' 4)2:=,43' &(;' 45,)' 8(34)2< :,(43' (' 45,')8;?,' 9' 45,') 9' 9' &(4&') 1,' 7581A';),7' &' 35 4' 9) :' 45,',(,:6P3' 1&(((' A24' 45,' A&** =&33,;' ',)' 45,8)' 5,&;3' &(;' ;8;' (' 5&) : G'

5,' 4)245' 7&3' 45&4' 45,' 1848>,(3' &(;' 45,8)' ? ',)(:,(4' 5&;' A6' (' :,&(3' &3' 6,4' &A&(; (,;' 5 =,' 9' 3211 2)' 9) :')&(1,' 5,' 3 (3' 9')&(183' ' 75 ' 5&;' A,,(' *,94' &3' 5 34&?,3' 8(' 45,' 5&(;3' 9' 45,' :=,))' 75,(')&(183' 5&;' A,,(' &** 7,;' 4 ' *,&',' 45,M' =&(835' =)83 (' 4 ' 75815' 45,' A&44*,' 9' &'8&' 1 (38?(,;' 58:' 5&;' (4' 6,4' A,,('),34),;' ')&(183' 5&;' 84' 78** A,'),:,:A,),;' 8: :,;8&4,*6' A) @,(

F* 62874,.4' 96>24') E8=:481,34' 6.614' =6346' 44' +,2' 4' 5' [
1' 6' 83:<4',5':41' 69':41' +,2' 44' 5'

4 ! 45,‘ &453‘ 9)‘ 45,‘ ;2,‘ A3,)'&(1,‘ 9‘ 75815‘ 583‘ 158*;),(‘ 5&;‘ A,,(‘ ?8',(‘ 8(‘ =*,;?,‘ 24‘ &** 45,3,‘ *;‘ 31),3‘ A,47,,(‘ 45,‘ F‘ 34‘ 5)8348&(‘G‘ $8(?‘ &(;‘ 45,‘ F‘ 34‘ &45 *81‘PP :=,))‘ 5&;‘ A,,(‘ 78=,;‘ 24‘ A6‘ 45,‘ =,&1,‘ &(;‘ 4),&46‘ 9‘ &:A)&8M &(;‘45,‘),(15‘=)8(1,3‘7,),‘(7‘&A 24‘4‘A,‘),34),;‘4‘45,8)‘9&45,)‘ 5,6‘5&;J(4‘6,4‘5 7,',)‘A,,(‘ 3,(4‘4‘)&(1,‘ (;‘ 45,‘ *),(48(,3‘9*&44,),;‘ 45,:3,*',3‘ 45&4‘ &3‘ 3 (‘ &3‘)&(183‘ 35 2*;‘ 5&',‘ 583‘3 (3‘ 3&9,‘8(‘583‘ 5&(;3‘5,‘7 2*;‘ (1,‘&?&8(‘A,‘&3‘9&845*,33‘4‘45,‘ &:A)&8‘ 4),&46‘&3‘5,‘5&;‘A,,(‘4‘583‘9):,)‘ &45ML 7 2*;‘15&(?,‘ 583‘= *816‘&(;‘;,1*&),‘58:3,*9‘8(‘45,8)‘9&' 2)

&8(‘5 =,3‘A)(‘ 9‘45,‘;,3=&8)‘45&4‘7&3‘)&=8;*6‘1* 38(?‘ 8(‘&) 2(;‘45,:Q

(;‘45,6‘7,),‘A2)68(?‘45,:3,*',3‘2=‘&*3‘7845‘&(45,)‘ ,D2&**6‘;,*238',‘,O=,14&48 (‘ 9‘&‘=338A*,‘:,&(3‘ 9‘;,*8',)< &(1,‘ 5,6‘5 =,;‘45&4‘45,‘B)&(;‘ 2)@‘ :8?54‘8('&;,‘ 4&*6‘7845‘3215‘&‘9)1,‘&3‘4‘ :&@,‘&‘;8',)38 (‘8(‘45,8)‘ 9&' 2)‘&(;‘45,6‘5&;‘(4‘9&8*,;‘4‘,(;,&' 2)‘4‘8(348?&4,‘ 58:‘4‘;‘3‘A6‘:,&(3‘9‘&:A&33&;)3‘ (;‘45,‘ ,(,48&(‘ &:A&33&;)‘&4‘ *),(1,‘458(@3‘84‘(,1,33&)6‘4‘7&)(‘583‘ ? ',)(:,(4‘ 9‘45,3,‘&44,:=43‘&3‘=8(48(?‘4‘&‘=338A*,‘ ;&(?,)‘75815‘84‘A,5 ',;‘45,:‘(4‘4‘A,‘2(8(9):,;‘ 9

(‘45,‘ 45,)‘5&(;‘45C‘,(,:6‘8(‘45,‘ :=,)8&** 1&:=‘ 7845 24‘45,‘7&**3‘7&3‘A6‘(‘:,&(3‘,(H 68(?‘&(‘8:: 2(846‘ 9) :‘45,‘8**3‘45,6‘7,),‘1&238(?‘ 5,6‘&*3‘7,),‘=),33,;‘ 9)‘7&(4‘ 9‘9 ;M &(;‘: (,6‘7&3‘9&)‘*,33‘&A2(;&(4‘&: (?‘ 45,:‘45&(‘84‘7&3‘8(‘45,‘1846‘ 5,),‘7&3‘&*3‘&‘1 (38;,)< &A*,‘&: 2(4‘ 9‘;83);,)‘&(;‘ ;83&98,148 (‘8(‘45,‘1&:=‘ 83,&3,‘7&3‘)89,‘&: (?‘45,:‘4 ‘&(;‘;,3,)4,)3‘7,),‘ (2:,) 23‘ 24‘758*,‘45,‘31&)1846‘ 9‘9 ;‘7845‘75815‘ 45,6‘5&;‘4‘1 (4,(;‘7&3‘*8@,*6‘4‘A,‘;8:8(835,;‘&3‘45,‘ 1 :8(?F32::,)‘&;'&(1,;‘45,‘;834),33‘ 9‘45,‘A,38,?,;‘ 78458(‘45,8)‘7&**3‘1 2*;‘ (4‘A24‘A,1 :,‘ :),‘8(4,(3,‘ 7845‘,',)6‘=&338(?‘;&6‘ 5,‘1 (48(2&* 9,&43‘ 9‘&):3‘ 75815‘7,),‘&*: 34‘;&8*6‘4&@8(?‘=*&1,‘ 2438;,‘45,‘7&**3

[' # ' ' ' ' '

W)&=8;846' ,',(' 45 2?5' 45,6' A) 2?54' &(' 8(1),&3,' 9' &):3' 7845'45,:

)'45,' 3&:,'),&3 (' 45,),' 7&3' 8(' 9&14' *844*,'1 (3 *&48 (')'5 =,'4 'A,';,)8',;'9) :'45,''&* 2)'75815'1&23,;'&*: 34' &**' 45,'83 *&4,;'98?543'&) 2(;' 45,'1846'4 '),32*4'8(' 9&' 2)' 9' 45,'A,38,?,;')'84' 7&3'A,1 :8(?' ;&6'A6';&6' :),'1*,&)' 45&4'9&:8(,' 7&3'45,'32),'&(;' 8(,'84&A*,'9)1,'75815'7 2*;' ,',(42&**6' ;,18;,' 45,' 34)2??*,' 4'A,?&(' 4 'A,' A3,)',;' 45&4'45,',(,:6'35 7,;'45,:3,*',3'8(;83= 3,;'4 ',(?&?,'8(' 45,'3@8):8358(?'75815'5&;'3 '1 (34&(4*6'35 7('45,'32=,<)8)846' 9'45,'1848>,(3' F' *45 2?5'=) ' @,;'45,6'7 2*;' (4'1 :,' 24'9) :'45,8)'*8(,3 G'3&63'45,&:A&33&;)'FA24' ',)6' =&*=&A*6'&(37,),;' / 0 ,'&),' (4' ? 8(?'4 '98?54' 7845' 6 2M 7,' :,&(' 4 '7&84' 48**' 9&:8(,' 5&3'1 (D2,),;' 6 2'&(;' 45,('4&@,'6 2'7845'6 2)'?8);*,3'9)'5&*4,)3'QP G

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<366‘ 5,==4E424146=‘ =1422‘ ,568‘ 1,‘ 1<6‘ 2,36.14.6= 43=1‘ 8.‘ 8118:H‘ ,.‘ 1<6‘ :,8=1=‘ ,%‘ 182;‘ E;‘ 1<6‘ *3H <4=‘ <,56‘ A*4:H2;‘ %896= #6:,.9‘ 8‘ =,3146‘ 4.‘ %,3:6‘ G<4:<‘ =<,*29‘ 96=13,;‘ 1<6‘ E6=46>4.>‘ 83); .13*=1G,31<4.6==‘ ,%‘ 1<6‘ 2,36.14.6‘ >6.6382= ‘ =,3146‘ 4.‘ %,3:6‘ 96:4969‘ ,.) 4:,‘ 98‘ O6.8%3,‘ H42269‘ E;‘ 1<6‘ 6.6382‘ #16%8.,‘ ,2,..8 <6‘ =,3146‘ 4.6%%6:1*82‘ 1,‘ 8.;‘ >,,9‘ 5*35,=6 !4%%636.:6‘ ,%‘ ,54.4,.‘ 8) ,.>‘ 1<6‘ :41476.= ‘ .9,*E169‘ 16=14) ,.;‘ 1,‘ 1<6‘ 1368=,.‘ ,%‘ 82816=18‘ 8>24,.4 <439‘ 8.9‘ 28=1‘ =,*3:6‘ ,%‘ <,56‘ %,3‘ 1<6‘ 2,36.14.6=‘ 4.‘ 1<6‘ ,563814,.=‘ ,%‘ 1<643‘ 83); ‘ ,*1=496‘ 1<6‘ :41; 38.:6=:,‘ 633*::4, O,216338‘ 36:,+6369‘ E;‘ <4) ‘ 28.‘ ,%‘ ,563814,.=‘ 96+4=69‘ E;‘ 633*::4, <6‘ #4>.,3;‘ ,3963‘ <4) ‘ 1,‘ 8:1‘ ,1<63G4=6 D6:*14,.‘ ,%‘ 13841,3=‘ G41<4.‘ 1<6‘ :41; .16.14,.‘ ,%‘ 1*3.4.>‘ 1<6‘ :,.1894.4‘ (‘ ,*1‘ ,%‘ 1<6‘ :41; <6‘ >,+63.) 6.1‘ 3626.1=‘ 8.9‘ 8E8.9,.=‘ 1246‘ 4968 3,>36==‘ ,%‘ %8) 4.6‘ 4.‘ 1<6‘ :41; .:368=6‘ ,%‘) ,318241;‘ %3,) ‘ 56=1426.:6 !6163) 4.814,.‘ ,%‘ 1<6‘ :41476.=‘ 1,‘ %4><1‘ 8‘ 28=1‘ E81126 8.9‘ 4%‘ +8.A*4=<69‘ 1,‘ 96=13,;‘ 1<6‘ G,) 6.‘ 8.9‘ 1<6‘ :41; <6‘ 34.:6‘ ,%‘ 38.>6‘) 83:<6=‘ 1,‘) 661‘ 633*::4, <8+4.>‘ E66.‘ 8==*369‘ E;‘ 82816=18‘ 1<81‘ .,‘ 8118:H‘ =<,*29‘ E6‘) 896‘ ,.‘ 1<6‘ E6=46>4.>‘ %,3:6‘ 4.‘ <4=‘ 8E=6.:6 633*::4,‘ 96184.69‘ 81‘ 4=8‘ E;‘ 422.6== <6‘ 2,36.14.6=‘ 536+6.169‘ %3,) ‘ 8118:H4.>‘ 1<6‘ E6=46>4.>‘ 83) ;‘ E;‘ 1<643‘ >6.6382= #16%8.,‘ ,2,..8‘ 8‘ 13841,3‘ 1,‘ 1<6‘ 2,36.14.6‘ :8*=6 !8.>63‘ ,%‘ &‘ =13*>>26‘ G41<4.‘ 1<6‘ G822= !4=8%%6:169‘ 8),.>‘ 1<6‘ :41476.= 3,E8E26‘ .*) E63‘ ,%‘ 1<6=6 33,.6,*=‘ 1494.>=‘ ,%‘ 1<6‘ 36=*21‘ ,%‘ 1<6‘ E81126‘ E61G66.‘ 633*::4,‘ 8.9‘ 1<6‘ 34.:6‘ ,%‘ 38.>6‘ 368:<‘ 2,36.:6 #,3146‘ ,%‘ 1<6‘ 2,36.14.6=‘ =,‘) 8.8>69‘ E;‘ 1<6‘ 2,36.14.6‘ >6.6382=‘ &3‘ 1,‘ 2689‘ 1,‘ .,1<4.> ,336:1‘ .6G=‘ ,%‘ 1<6‘ E81126‘ ,% 8+4.8.8‘ F 368:<‘ 2,36.:6 8182‘ 36=*21=‘ ,%‘ 1<4=‘ 96%681 <6‘ #4>.,3;‘ :,.=6.1‘ 1,‘ =6.9‘ 6.+,;=‘ 1,‘ 1<6‘) 5634824=1‘ 6.6382 8>24,..4‘ 1<3,G=‘ ,%%‘ 1<6‘) 8=H‘ !8.>63‘ ,%‘ 8‘ :,.16=1‘ 4.‘ 1<6‘ :41; 8>24,..4‘ :,) 526162;‘) 8=163‘ ,%‘ 1<6‘ =41*814,. <6‘ #4>.,3;‘ 8E8.9,.‘ 822‘ <,56‘ ,%‘ %*31<63‘ 36=4=18.:6 !8.>63‘ ,%‘ 1<6‘ :41;‘ %3,) ‘ 1<6‘ =,29463; 36=63+69‘ %3,) ‘ 41‘ E;‘ 1<6‘ 8:14+6‘ +4>428.:6‘ ,%‘ 8>24,.4 4=‘) ,14+6 4‘4:26=‘ ,%‘ :8541*2814,. .E2*=<4.>‘ +4,28B 14,.‘ ,%‘ 1<6) ‘ E;‘ 1<6‘ ,56 8.9‘ E;‘ 1<6‘) 563,3 ,.:2*=4,.

‘ 7&3‘ 8(;,,;‘ A24‘ 4 ‘ 1*,&)‘ 45&4‘ 45,‘ (&42),‘ 9‘ 45,‘ 3842&48 (‘ 7&3‘ 3215‘ &3‘ 4 ‘ :&@,‘ 48:,‘ &(‘ 8)),38348A*,‘ &**6‘ (‘ 45,‘ 38;,‘ 9‘ 45,‘ A,38,?,)3‘ ,',)45,*,33‘ 45,),‘ 7,),‘ 45),,

‘

= 338A*,' : ,&(3' A6' 75815' 45,' = 3848 (' : 8?54' A,' 15&(?,;' 4 ' 45,' =) 984' 9' 45,' A,38,?,;

5,' 98)34' 9) :' 75815' 45,' *),(48(,3' 7,),' &4' 4583' 48 : ,' ;)&78(?' 48*,' : 34' 9*&44,)8(?' A24' 244,)*6' ;,*238',' 5 =,3' 7&3' 45,' = 338A8*846' 45&4' 45,' 2)@' : 8?54' &44&1@' 45,' ;)8&481' 1 &34' 9' 45,' @8(?; :' 9' &=*,3' 8(' 3215' 9)1,' &3' 4 ' :&@,' 84' &A3 *24,*6' (,1,33&)6' 9)' 45,' :=,))' 4 ' 1&** 99' 583' &) : 6' 9) :' A,38,?8(?' *),(1,' 4 ' 45,' :),' 8(;83=,(3&A*,';246' 9' ;,9,(;8(?' 583' 7(' = 33,338 (3' 844*,' A6' *844*,' 5 7,',8. ' 84' 5&;' A,1 :,',';,(4' A,9),' 45,' 32 : :,)' 7&3' ',)' 45&4' (' 3215' ;8',)38 (' 7&3' 4 ' A,',O=,14,;

(' 45,' 3,1 (;' =*&1,' 84' : 8?54' A,' = 338A*,' 9)' 45,' 1848>,(3' 4 ' 3&**6' 24' 9) :' 45,8)' 7&**3' 7845' 45,8)' =&8;' 4) =3' &(; L ' A,44,)' 348** L 7845' 45,8)' 7(' (&48',' : 8*848&' &(;' 3211,,;' 8(' 244,)*6') 248(?' &(;' ;,: *8358(?' 45,' 9)1,' 75815' 7&3' 5,: :8(?' 45,:' 8(' (;' 8(' 4)245' 45,),' ;,3' (4' 3,,:' 4 ' 5&',' A,,(' &(6458(?' 158 :,)81&** 8(' 3215' &' 5 =,' 5,' A,38,?8(?' &) : 6' 7&3' A6' (' :,&(3' 8(' &' 9* 2)8358(?')' 3&483< 9&14)6' 1 (;848 (' 5,' =&6' 9' 45,' 4) =3' 7&3' : 215' 8(' &)),&)' 5,' :=,))' 5&;';,=&)4,;' 9) :' * ?(&' 7845 24' : &@8(?'=) '838 (' 9)' 45,' =&6 :,(4' 9' 45,: ' 5,' =,' 7&3' ',)6' 5&);' =),33,;' 9)' : (,6' 4' 7&3' @(7(' 8(' 45,' 1846' 45&4' &118 ' &*)8' 5&;'),1,(4*6'),42)(,;' 9) :' :,' 4 ' 45,' 1&:=' A)8(?8(?' 7845' 58:' 9) :' *,:,(4' (*6' 47,(46.380' 45 23&(;' ;21&43' 75815' 7&3' @(7(' 4 ' A,' ',)6' 9&)' 9) :' 329*818,(4' 4 ' =&6' 45,' 4) =3 J' 5,),' 7&3' : 215';831 (4,(4' &: (?' 45,: ' :,' 5&;' :&)15,;' 99' &(;' *,94' 45,' 1&:=' &*4 ?,45,)' 45,)3' 7,),' 8(' &(' &*: 34' :248(23' 34&4,' &(6' 7,),' 31&44,),;' ',)' 45,' 1 2(4)6' 8(' =*2(;,)8(?' =&)48,3' 5,),' 7,),' 8(' &' 7);' :&(6'),&3 (3' 45&4' 3,,:,;' 4 ' :&@,' 84' =) A&A*,' 45&4' &' 7,**.=*&((,;' &(;' '8?) 23' &44&1@' A6' 45,' *),(48(,' 9)1,3' :8?54' A,' 3211,3392* ' 5,' 1848>,(3' &11);8(?*6' 7,),' ',)6' &(O8 23' 9)' &' 3)48,' 8(' 9)1,

(;'45,),'83'),&3 ('4 '458(@'45&4' 4,9&(' * ((&'75 '1 :< :&(;,;' 45,' 1846' :8*848&' 7&3' 7,**.:8(;,;' 4 ' ; ' 583' ;246' A6' 45,' : : (7,&*45' &(;' :8?54' 5&',' A,,(' &*4 ?,45,)' 4)2347)456'5&;' 84' (4' A,,(' 45&4' =,)5&=3' 5,' 7 2*;' (4' 5&',' A,,(' 8**.=*,&3,;' 4 ' 3,,' &*&4,34&' &?*8 (8'45,' 1 :< :&(;,)' 9' 45,' 58),;' 4) =3' &(;' ?,(,)&*.8(.1*88,9' 2(321< 1,3392*' &(;' ;831),;84,;' 0 5,(' 45,' 4,):'9)'75815')1 *,' 9' ,))&)&' 5&;' A,,(',(?&?,;',O=8),;'&4' 45,' A,?8((8(?' 9' 45,' 6,&) J' 4,9&(' * ((&' 7 2*;' 9&8(' 5&',' A,,(' 583' 3211,33)'&3' ?,(,)&*.8(.158,9' 9' 45,' *),(48(,'9)1,3' 24' &*&4,34&' &?*8 (8' 75 ' 5&;' =24' 8(' &148 (',',)6' 3)4' 9' 78(4)8?2,' &: (?' 45,' 1848>,(3'7845' &'8,7'4 ' A4&8(8(?' 45,' &== 8(4:,(4' 5&;' A,,(' =),9,)),;' 4 ' 58:' (;' 84' 7&3' 323=,14,;' (4' =) A&A*6' 7845 24'),&3 (' 45&4' 45,' * ((&' 7 2*;' 5&',' A,,(' 7,**.=*,&3,;' 45&4' 45,' *),(48(,3' 35 2*;' 5&',' 1&23,'4 ' 3,,'45&4' 45,6' 5&;' =),9,)),;' 45,' 7)3,'4 ' 45,' A,44,)':&(9

&*&4,34&' 5&;' 35 7(' (' ,&?,)(,3~' 4 ' :&@,' &(6' 3215' &44,:=4' &3' 45,' 1848>,(3' 7,),' A,(4' (' 4)68(?' 24' 45,' ; 2A43' 9' 583'? ;'9&845' A,1&:,'3 '?,(,)&*'8(' 45,' 1846' &(;' 45,',O=),338 (' 9' 3215' ; 2A43' 7&3'?) 78(?' 3 ':215'* 2;,)' &(;' A *;,)' 9) :';&6' 4 ' ;&6' 45&4' 45,' ?,(,)&*' 75 ' 7&3' =,)9,14*6' 7,**.8(9):,;' 9' ,',)6' 7);' 45&4' 7C&3 3&8;'8(' 45,' 1846'&(;' 75 ' 75&4,',)' 583'),&*' 7835,3' :8?54' 5&',' A,,(' 7&3' &(O8 23' 4 ' 3&',' 583' 1),;84' &3' &'?,(,)&*' 9' 55,;' 4) =3' &(;' 4 ' &' 8;' 45,' 34&8(' 9' 4),&15,)6' (' 583' 15&)&14,)' ;,4,)< :8(,;' 4 ' :&@,' 3215' &' 3)48,'8(' 9)1,' &3' 45,' =2A*81' =8(8 (' ;,:&(;,;' (;' 45,' 45' 9' &6' 7&3' 98O,;9)' 45,',(4,)< =)83,'

(,')' 47 ' 18)12:34&(1,3' 112)),;'4 ' :&)'45,'3211,33' 9' 45,' &44,:=4' (' 45,' =&)4'1=9' 45,' *),(48(,3' (' 45,'98)34' =*&1,' 45,'3)48,'7&3' (4' :&;,'7845' &**' 45,' &'&8*&A*,'9)1,' 8(' 45,' 1846' (;' 45,' H,&* 236' A,47,,(' 45,' 47 ' 1 :.

" 4' &)158' ='184',;'184 ' ' 8'88'='

83' &A2(;&(4'),&3 (' 4 ' A,*8,',' 45&4' 4583' :&(' 7&3' &' 4)&84)' T
4 ' 583' , :=* 6,)3' M A24' 84' :234' A,' &; :844,;' 45&4' 45,')*&<
48 (' 9' &)158J' ; ,3' (4' A,&)' 24' 45,' 881123&48 (' 2= (' 4583'
11&38 (' &'8(?' 3= @,(' =),'8 23*6' 9' &*&4,34&P3' ;,3=,<
)&4,' ,99)43' ;2)8(?' 45,' A&44*,' ;,3=84,' &' 34&4,' 9' 5,&*45'
75815'),(;,),;' 58:' &*: 34' 8(1&=&A*,' 9' 98?548(?' 4583'=,)<
9,14*6' 4)2347)456' 5834)8&(' 7)84,3'' F' 4' 7&3' (,&)' 45,' ','
&)8&' [32(3,4]' 75,(' &*&4,34&' 98?548(?' :),' ;,3=,)&4,*6'
45&(',',)' 1&23,;' 45,' 38?(&* 9)'),4),&4' 4 ' A,' ?8',(' 4 ' 583
3 *;8,)3 5,' (2:A,)' 9' 45,' 3*&8(' &3' 7,** &3' 9
45 3,' 7 2(;,;' 7&3' '&)8 23*6' 34&4,;' 24' 47 ' 458(?3'
7,),' &998):,;' 7845'1,)4&8(46' ' 45,' 98)34' 45&4' (' 45,' 9 ** 7<
8(?' ;&6' 8(' 45,') **.1&** 9' 45,' A&(;3' 75 ' 5&;' ? (,' 24'
9) :' 45,' 1846' 47 ' 52(;),;' 9' 45,' A,34' 8(9&(4)6' 7,),'
:8338(?' M 45,' 3,1 (;' 45&4' 45,' * 33' (' 45,' =&)4' 9' 45,'
,(,:6' 7&3' ?),&4,)' 45&(' 4583' 7 ' 458(?3' &*3 ' 7,),' A,<
8,',;' &3' &: 34' 1,)4&8(' M 45,' 98)34' 45&4' 89' :81 ' ;&' ,(&9) '
5&;' (4' A,,(' @8**,;' 45,' '814)6' 7 2*;' 5&',' A,,(' 1 :=*,4,'
(' 45&4' 38;,' 9' 45,' 1846' 75,),' 45,' 34)2??*,' 7&3M' 45,'
3,1 (;' 45&4' 89' 45,' 98?54' 9' 45&4' ;&6' 5&;' A,,(' :&;,' &'
?)&(;' A&44*,' A6' 3,(;8(?' 24' 9' 45,' 1846' &** 45,' ;83= 3&A*,'
9)1,' &(;' 45&4' 8(' 45,')8?54' ;8),148 (' 45,' :=,)8&* 1&:='
7 2*;' 5&',' A,,(' &*4 ?,45,)' A) @,(' 2=' &(;' 1 (3,D2,(4*6'
45,' 7&)' A) 2?54' 4 ' &' '814)8 23' 4,):8(&48 (' 5 2?5'
3 :,' =,)3 (3'3&8;' &(;' 7845' ? ;'),&3 (' A,*8,',;' 45&4'
3215' A),&@8(?' 2=' 9' 45,' 1&:=' 7 2*;' 5&',' 1&23,;' ?),&4,)'
,'8*3' 4 ' 45,' *),(48(,3' 8(&3:215' &3' 45,6' 7 2*;' (*6' 5&','
45,' :),' 8))84&4,;' 45,' =,' &(;' :&;,' &' :),' 8:=*&1&A*,'
9 ,' 9' 45,' :=,)) G

4' 3,,:3' *844*,' A,44,)' 45&(' 158*;835' 4 ' 8:&?8(,' &' 34&4,' 9'
7&)9&),' 8(' 75815' &' 321 333' 83' 4 ' A,' 1 (38;,),;' '&*2,*,33'
A,1&23,'84' :&6' 4,(;' 4 ' &(?,)' 45,' ,(,:6' 24' 9' 1 2)3,'
45 3,' 75 ' 5,*;' 45,' =8(8 (3' :,(48 (,;' A6' &)158' 7,),

38,?8(?‘)8),(1,‘ 7 2*;‘ 5&',‘ &'&8*,;‘ 4 ‘ &',)4‘ 45,‘ ; :‘ 75815‘ 5&;‘ A,,(‘ =) (2(1,;‘ &?&8(34‘ *),(48(,‘*8A,)46‘8(‘ 45,‘ 1 2(18*3‘ 9‘ 45,‘ :=,))‘ &(;‘ 45,‘ =,‘ 7,',)‘ ;,3=,)&4,‘ 45,‘ '&* 2)‘ 75815‘ :8?54‘ 5&',‘ :&)@,;‘ &(6‘ 3215‘ &44,:=43‘ &(;‘ 5 7,',)‘ ?),&4‘ :8?54‘ 5&',‘ A,,(‘ 45,‘ 8: :,< ;8&4,‘),32*4‘ 9‘ 45,:‘ 8(‘ ;83=,)38(?‘ 45,‘ 8**.=&8;‘ &(;‘ 5&*9.‘ :248(23‘ 4) =3‘ 9‘ 45,‘)8(1,‘ 9‘)&(?,‘ 84‘ 83‘ 5&);*6‘ 4 ‘ A,‘ 8:&?8(,;‘ 45&4‘ *),(1,‘ 1 2*;‘ 5&',‘ =,):&(,(4*6‘),3834,;‘ 45,‘ ',)75,*:8(?‘ 9)1,‘ 9‘ 45,‘ 1 &*848 (‘ 9‘ = 7,)3‘ A,(4‘ (‘ 5,)‘ ;,34)2148 (‘ 24‘ 84‘ 83‘ 1*,&)‘ 45&4‘ 75&4,',)‘ = 338A8*846‘ 9‘ 2*48:&4,‘ A,(,984‘ :8?54‘ 5&',‘ A,,(‘ 1 (48(?,(4‘ (‘ 3215‘ 3211,33,3‘ &(;‘ 75&4,',)‘ 15&(1,‘ 9‘ A,44,)‘ 4,))&3‘ A4&8(&A*,‘ 2(;,)‘ 3215‘ 18)12:34&(1,3‘ :8?54‘ 5&',‘ *&8(‘ 8(‘ 45,:‘ 7,),‘ 34 *,(‘ 9) :‘ 45,‘ A,9 *,;‘ &(;‘ A,4)&6,;‘ 1848>,(3‘ A6‘ 45,‘ 4),&15,)6‘ 9‘ 45,8)‘ 58),;‘ ?,(,)&*

5,),‘ (*6‘),:&8(,;‘ 45,),9),‘ 45,‘ *&34‘ 9‘ 45,‘ 45),,‘ = 338A8*848,3‘ 9‘ 5 =,‘ :,(48 (,;‘ &A ',‘M 45,‘ 5 =,‘ 45&4‘ 45,‘ &):6‘ 9‘ 45,‘ ,=2A*81‘ 75815‘ 5&;‘ A,,(‘ ,(?&?,;‘ 8(‘ ;,9,(;< 8(?‘ 45,‘ 24*68(?‘ =)48 (3‘ 9‘ 45,‘ *),(48(,‘ 4,))84)6‘ :8?54‘)&83,‘ 45,‘ 38,?,‘ &(;‘ H 8(8(?‘ 7845‘ 45,‘ 9)1,3‘ 78458(‘ 45,‘ 1846‘ :8?54‘ 6,4‘ 35 7‘ 3215‘ &9) (4‘ 4 ‘ 45,‘ ,(,:6‘ &3‘ 35 2*;‘ 5 *;‘ 58:‘ &4‘ A&6‘ 2(48*‘ 3 :,‘ 15&(?,‘ 8:45,‘ &3=,14‘ 9‘ 2) =,&(‘ &99&8)3‘ :8?54‘ 112)‘ 4 ‘ =*&1,‘ 45,‘ &14)3‘ (‘ 45,‘ 31,(,‘ 8(‘ &*4 ?,45,)‘ ;899,),(4‘),*&48 (3‘ 4 ‘ ,&15‘ 45,)‘ F‘ 5,6 G‘ 45,‘ *),(48(,3‘ F‘ 42)(,;‘ 45,8)‘ :8(;3‘ ,(48),*6‘ 45,),9), G‘ 3&63‘ &);8 J‘ F‘ 4 ‘ 45,‘ ,O=,14&48 (‘ 9‘ 3211 2)‘ 4 ‘ A,‘),1,8',;‘ &4‘ 45,‘ 5&(;3‘ &(;‘ A6‘ 45,‘ =,)&48 (3‘ 9‘ 45,‘ :833&)6‘)&(1,31 ‘ ,))2118 G ,))2118 ‘ 5&;‘ A,,(‘ &‘ 1&=4&888‘ 8(‘ 45,‘ 9&: 23‘ *&1@‘ &(;3‘ &(;‘ 5&;‘ A,,(‘ 4)&8(,;‘ 8(‘ 45,‘ &)4‘ 9‘ 7&)‘ 2(;,)‘ 45&4‘ ?),&4‘ :&34,)‘ 9‘ 84‘ B8 '&((8‘ ;,‘ ,;818‘ 32)(&:,;‘ F‘ ,**,‘ &(;,‘ ,),G‘ ,‘ 5&;‘ :&(89,34,;‘ 8(‘ 45,‘ =) 3,1248 (‘ 9‘ 45,‘ &*: 34‘ 5 =,*,33*6‘ ;899812*4‘ 4&3@‘ &338?(,;‘ 4 ‘ 58:‘ 9‘ ;,9,(;< 8(?‘ 45,‘ '&)8 23‘ 24*68(?‘ =)48 (3‘ 9‘ 45,‘ *),(48(,‘ 4,))84)6

: &(6 ,(9 45, *&44,) (&48 (7,), 7, &),4 *;) & : 8(? W
&A 24 45, 1 2(4)6 =*2(;,)8(? 45, 8(5&A84&(43 8(;831)8 : 8< W W
(&4,*6 5&'8(? 45) 7(99 &** 3, : A*&(1, 9 A,;8,(1, 4 45,
: =,)8&* ?,(,)&*3 &(; 5&'8(? A,1 : , 8(35)4 : ,), A&(<
;8448 4 7&3 5 =,; &*3 45&4 45, &) : 6 A,38,?8(? *),(1,
;831 (4,(4,; &(; 2(=&8; &3 84 7&3 7 2*; (4 ,(;2),4
3,, 45,)3 *;8,)3 : &)158(? 4 45, ,&36 ?&45,)8(? 9 3)815
& 5&)',34 9 A 46 &(; *81,(1, 758*, 45,6), : &8(,; 8(
D2&)4,)3 75815 45, 98*456 5&A843 9 45,8) ,(1& : = : ,(4 &(;
8(3299818,(4 9 ; 5&;),(;,),; =,348*,(48&* &) 2(; 45, 7&**3
9 *),(1, A24 7 2*; &4 (1, A),&@ 2= &(; 9 ** 7 ,)<
)2118 &(; 45, A)8?&(; 5);,3 4523 4 A, 1 **,14,; A6 58 :
A,(4 (*6 ((4 A,8(? *,94 58(; : 34 8(3215 &)&1, 5,
=*&(7&3 & ;,3=,)&4, A24 (4 &(8**.&; '83,; (, &);8
458(@3 45&4 84 7 2*; 5&', 3211,,;,; M &(; 45&4 45, : <
=,)8&*834 *,&;,)3 75 5&; A4&8(,; 8(4,**8?,(1, 9 45,
,O834,(1, 9 3215 & 315, : , 7,), ?),&4*6 &*&) : ,; A6 45,
=) A&A8*846 9 843 3211,33 24 45, *),(48(, 8?( )6 5&;
I(4 3299818,(4 9&845 8(84 4 8(;21, 45, : 4 =,) : 84 ,)<
)2118 4523 4 : &)15 99 3 2457&);3 &A&(; (8(? 45, :),
8 : : ,;8&4, 1&), 9 =) 4,148(? &3 A,34 5, 1 2*; 3215 = 8(43
9 45, 4,))84)6 9 45, ,=2A*81 &3 7,), (4 &*),&;6 8(45,
5&(;3 9 45, ,(, : 6
)&(1,31 ,))2118 H2;?,; 84 4 A, 583 : 34 8 : =,)&48',
;246 4 A,6 45, 1 (3484248 (&*)2*,)3 9 583 1 2(4)6 &(;
45, 315, :, 9 & : &)15 =(: , 7&3 &A&(; (,; (; 8(
1&))68(? 24 45, = *816 4523 =),31)8A,; 4 5 8 : 5, ,058<
A84,; : 8*84&)6 1&=&1846 9 45, 58?5,34);,) &(; & =&4)8 483 :
45&4 5 =,; &?&8(34 5 =, 4 45, *&34 83 &148'846 &(;
8(;,9&48?&A*, >,&* : 2*48=*8,; 45, 3 : &** 9)1, 2(;,) 583
);,)3 &(; &** A24 : &;, 84 3211,3392* 8(&11 : =*8358(? 45,
4 8 : = 338A*, 4&3@ ,(4)234,; 4 5 8 : 7 &4 *4,))&
(7 &4 : = *8 (7 &4 83& 5, 9*,7 9) : ,(; 4 ,(; 9
45, 4,))84)6 9 45, : : (7,&*45 34),(?45,(8(? & ?&)<
)83 (15,), 8(9*8148(? & ;,9,&4 (45, ,(, : 6 45,), &(;

8;& ‘ 32 ; ; , (*6‘ A2448(?‘ 99‘ 45,‘ 1 : : 2(81&48 (3J‘ 9‘ 45, 8('&; ,)3‘ &4‘ 3 : ,‘ 45,)‘ = 8(4
&;‘ *),(1,‘ = 33,33,;‘ A24‘ (,‘)‘ 47 ‘ :),‘ 3215‘ : , (‘ &3‘)&(1,31 ‘ ,))2118 ‘ 8(‘ 5,)‘ (&48',‘)&(@3‘ 45,‘ 8332,‘ 9‘ 45,‘ 34)2??*,‘ : 8?54‘ 5&',‘ A,,(‘ &;899,),(4‘ (,‘ &;‘ A24‘ (,‘ 45,)‘ 3215‘ 1 : : &(;,;‘ 78458(‘ 45,‘ 7&**3‘ 9‘ *),(1,‘ 8(‘ 45,‘ =*&1,‘ 9‘ 45,‘ 4)&84)‘ 58),*8(?‘ (A*,‘ &*&4,34&‘ &?*8 (8‘ 45,‘ ?&**&(4‘ *844*,‘ 1846‘ ; ,3=84,‘ 45,‘ : (34) 23‘ 8(,D2&*846‘ 9‘ 45,‘ 1 (4,34‘ : 8?54‘ (4‘ 8 : =) A&A*6‘ 5&',‘ @,=4‘ A 45‘ =,‘ &(;‘ : =,))‘ &4‘ A&6‘ 2(48*‘ 3 : ,‘ 15&(?,‘ 8(‘ 45,‘ = 3848 (‘ 9‘ 2) =,&(‘ = *84813‘ : 8?54‘ 5&',‘ 1&23,;‘ &;8',)38 (‘ 24‘ 45,),‘ 7&3‘ (‘ 3,1 (;‘ ,))2118 ‘ Q

@8(?‘ A&1@‘ (‘ 45,‘ 1 : =*,4,;‘ 5834)6‘ 9‘ 4583‘ : , : <)&A*,‘ 38,?,‘ 84‘ 3,, : 3‘ 32)=)838(?‘ 45&4‘ &?*8 (8‘ 35 2*;‘ 5&',‘ A,,(‘ &A*,‘ 3 ‘ 12((8(?*6‘ 4 ‘ ',8*‘ 583‘ 4),&3 (&A*,‘ =2)= 3,3‘ &3‘ 4 ‘ @,,=‘ 45, : ‘ 58;;,(‘ 89‘ (4‘ =,)5&=3‘ &*4 ?,45,)‘ 9) : ‘ 45,‘ 323=818 (3‘ &4‘ *,&34‘ 9) : ‘ 45,‘ 1 ('8148 (3‘ 9‘ 45,‘ 8?( )6‘ 4‘ 83‘ 45,‘ :),‘ 3 ‘ 45&4‘ 45,‘ 1848>,(3‘ 7,),‘ A6‘ (‘ : ,&(3‘ 8(‘ &‘ 4)23492*‘)‘ 2(323=818 23‘ 9)&: ,‘ 9‘ : 8(;‘ ,',)&*‘ 32 : < : &)6‘ ,0,1248 (3‘ 4 @‘ =*&1,‘ 9‘ : ,(‘ ?28*46‘)‘ 32== 3,;‘ 4 ‘ A,‘ ?28*46‘ 9‘ 4),&3 (&A*,‘ 1)),3= (;,(1,‘ 7845‘ 45,‘ A,38,?,)3‘ (,‘ 9‘ 45,‘ : 34‘), : &)@&A*,‘ 9‘ r45,3,‘ 1&=84&*‘ 1 (;,: (&48 (3‘ 7&3‘ 45&4‘ 9‘),(> ‘ ;,)8(8‘ 9 ** 7,;‘ A6‘ 583‘ ,0,1248 (‘ 8(‘ 45,‘ 1 2)4‘ 9‘ 45,‘ &)?,** ‘ (‘ 45,‘ -45‘ 9‘ E2*6‘ ,‘ 7&3‘ 3&63‘ 45,‘ ,(,48&(‘ &: A&33&;) J‘ F&‘ : &(‘ 9‘ : 215‘ 7,8?54‘ 75 ‘ 5&;‘ 5,*;‘ (,&)*6‘ &**‘ 45,‘ =)8(18=&*‘ 9981,3‘ 2(;,)‘ 4583‘ ? ',)(:,(4 G‘ ,‘ 7&3‘ &1123,;‘ 9‘ 3,(;8(?‘ 1 (48(2&*‘ 8(9) : &48 (‘ 9‘ 45,‘ 34&4,‘ 9‘ 458(?3‘ 8(‘ 45,‘ 1846‘ 4 ‘ 45,‘ ,(, : 6M F‘ 45,‘ ;,'8*‘ 5&'8(?‘ ,(4,),;‘ 8(4 ‘ 58 : G‘ &3‘ &: A8‘ 8(?,(2 23*6‘ 3&63‘ F&(;‘ ;)8',(‘ 58 : ‘ A6‘ 45,‘ &: A848 (‘ 9‘ A,1 : 8(?‘ ?),&4,)‘ 45&(‘ 5,‘ 7&3‘ 4 ‘ A,1 : ,C,(‘ 45,‘ 1 (4)&)6‘ &‘ 31 2(;),*‘ &(;‘ &‘ 48&84)‘ 4 ‘ 583‘ 1 2(4)6 G

4‘ 83‘ (4‘ 32)=)838(?‘ 45&4‘ 45,‘ 1848>,(3‘ 7,),‘ (4‘ 8(‘ &‘ : ;

4 ‘ 4 *,8 &4,‘)‘ 4 ‘ =&); (‘ &(6‘ 3215‘ 99,(1,3 .‘)‘ ,',(‘ 45,‘ 323=818 (‘ 9‘ 45,:‘ 58(?3‘ 7,),‘ ',)6‘ 2(:834&@,&A*6‘ ;)&78(?‘ 4 ‘ &‘ 1)8383‘M &(;‘ 45,‘ 3299,)8(?‘ 8(‘ 45,‘ 1846‘ 7&3‘)&=8;*6‘),&158(?‘ &‘ = 8(4‘ A,6 (;‘ 75815‘ 92)45,)‘),3834&(1,‘ 7 2*;‘ A,‘ 8:= 338A*,‘ (‘ 45,‘ ‘45‘ 45,‘ ;&6‘ &94,)‘ 45,‘ ,O,1248 (‘ 9‘ ;,)8(8‘ &** 45,‘ *8?54‘ 7 :,(‘ 8(‘ 45,‘ 1846‘ 5&;‘ A,,(‘ 1 :=,**,;‘ 4 ‘ =&33‘ 24‘ 9‘ 84‘ 5,8)‘),1,=48 (‘ A6‘ 45,‘ A)24&* 3 *;8,)6‘ 75 ‘ 32)) 2(;,;‘ 45,‘ 7&**3‘ :&6‘ A,‘ 8(‘ 3 :,‘ ;,?),,‘ 8:&?8(,;‘ A24‘ 1&((4‘ A,‘ ;,31)8A,;‘ (‘ 45,‘ 9 ** 78(?‘ ;&6‘ 45,‘ !45‘ &** 45,‘ 1 2(4)6:,(‘ 78458(‘ 45,‘ 7&**3‘ L 45,‘ F1 (4&;8(8 G‘)‘ 8(5&A84&(43‘ 9‘ 45,‘ 32)) 2(;8(?‘ 4,))84)6 L 7,),‘ 3 2?54‘ 24‘ &(;‘ 1 **,14,;‘ 9) :‘ &** =&)43‘ 9‘ 45,‘ 1846‘ 4 ?,45,)‘ 7845‘ 45,8)‘ 78',3‘ &(;‘ 158*;),(‘ &‘ 1 :< =&(6‘ 9‘ 380‘ 45 23&(;‘ 3 2*3‘ 9)‘ 45,‘ =28P= 3,‘ 9‘ A,8(?‘ 3,(4‘ 24‘ 9) :‘ 45,‘ 9&:8(,.34)81@,(‘ 1846‘ 5,‘ 31,(,‘ 7&3‘ &‘ =84, 23‘ (,‘ ML 3 ‘ =84, 23‘ 45&4‘ &4‘ 45,‘ *&34‘ : :,(4‘ 45 2?5‘ 84‘ 7&3‘ 9‘ 45,‘ 24: 34‘ : :,(4‘ 4 ‘ 523A&(;‘ 8(‘ ,',)6‘ 7&6‘ 45,‘ 3:&** D2&(4846‘ 9‘ 9 ;‘),:&8(8(?‘ 78458(‘ 45,‘ 7&**3‘ 45,‘ 5,&)43‘ 9‘ 45,‘ 1848>,(3‘ &(;‘ ,3=,18&**6‘ 9‘ 45,‘ 8?( )6‘ 1 2*;‘ (4‘ 34&(;‘ 45,‘ 4,&)3‘ &(;‘ 35)8(@8(?‘ 4,)))‘ 9‘ 45,‘ =)‘ =, =*,‘ 4523‘ 3,(4,(1,;‘ 4 ‘ A,‘ 45)234‘ 9)45‘ (;‘ 84‘ 7&3‘ ;,4,):8(,;‘ 45&4‘ 1 :,‘ 75&4‘ 1 :,‘ :8?54‘ 45,‘ 1848>,(3‘ &(;‘ 45,8)‘ =)‘ 32AH,143‘ 7 2*;‘ 9&1,‘ 45,‘ 9242),‘ 4 ?,45,)

5,‘ ,(,48&(‘ &:A&33&;)‘ 7)848(?‘ (‘ 45,‘ -45‘ 9‘ E2*6‘ ?8',3‘ &*834‘ 9‘ 45,‘ 9&:8(,‘ =)81,3‘ 9‘ 9 ;‘ 78458(‘ 45,‘ 1846‘ 24‘ 45,‘ 184&48 (‘ 9‘ (,‘ &)481*,‘ 8(‘ 583‘ 34&4,:,(4‘ 78** 329981,‘ 4 ‘ ?8',‘ &(‘ 8;,&‘ 9‘ 45,‘ 1 (;848 (‘ 4 ‘ 75815‘ 45,‘ =, =*,‘ 7,),‘),;21,;‘ 5,‘ 1&)1&3,3‘ 9‘ :81,‘ &),‘ D2 4,;‘ &4‘ 458)4,,(‘ ‘ &.=8,1,‘ &‘ 32:‘ ,D28'&*,(4‘ 4 ‘ 3 :,458(?‘ :),‘ 45&(‘ 98',‘ 358**8(?3‘ &4‘ 45,‘ =),3,(4‘ ;&6‘ 4‘ 45,‘ 3&:,‘ 48:,‘ 5,‘),=)43‘ 45&4‘ =*&?2,‘ 5&;‘ :&(89,34,;C 843,*9‘ 8(‘ '&)8 23‘ D2&)4,)3‘ 9‘ 45,‘ 1846M‘ F45,‘ 1 (34,)(&48 (‘ 1&23,;‘ A6‘ 75815‘ 83‘ 45,‘ ?),&4,)‘ 8(‘ 45&4‘ (‘ :&(‘ 1&(‘ ,845,)‘ &' 8;‘ 45,‘ =,348*,(1, A6‘ D28448(?‘ 45,‘ 1846‘ ( )‘ :&@,‘ &(6‘ =) '838 (‘ &?&8(34‘ 84‘ A6‘ 45,‘ 23,‘ 9‘ 98448(?‘ 9 ;‘)‘ :,;818(,‘ 45,),‘ A,8(?‘ &‘ 4 4&** ;,9818,(16‘ 9

R W &*#' 3215' 458(?3 J' ,',)45,*,33 G' 5,' ? ,3' (' 4 ' 3&6' F 3 ' ?),&4' 83' 45,' 1 (34&(16' &(;' 98) : (,33' 9' : 8(;' 8(' ,',)6' (,' 9' 45,' 1848>,(3' 3 ' 2(35&@,&A*,' 45,8)' A348(&4,' ;,4,) : 8(&< 48 (' 4 ' A,' 9),,' 45&4' 45,6' 5&',' =2A*81*6';,4,) : 8(,;' 4 ' 3299,)' ,',)6' = 338A*,' ,O4), : 846 G

24' 45,' 5&=*,33' 1846' 5&;' &*),&;6' =),446' (,&)*6'),&15,;' 45,' = 8(4' 9' 3299,)8(?',',)6' = 338A*,' ,O4), : 846' &(6' 5&;' =&33,;' 45&4' = 8(4M 9)' 45,' :)4&*846' 78458(' 45,' 7&**3' 7&3' ?),&4' 4' 5&;' A,1 :,' ,'8;,(4' 8(;,,;' 45&4' 2(*,33' 45,' *),(48(,3' 7,),' 4 '),:&8(' 78458(' 45,8)' 7&**3' 48*#' 45,' *&34' 32)'8')' 9' 45,:' 35 2*;' 5&',' ;8,;' 9' =,348*,(1,' &(;' 9&:8(,' 3 :,' 34,=3' 5 7,',)' ;,3=,)&4,' :234' A,' 4&@,(' 4 7&);3' ,31&=8(?' 9) :' 45,8)' =),3,(4' = 3848 (' 4' 7&3' ;,4,) : 8(,;' &11);8(?*6' &A 24' 45,' :8;;*,' 9' E2*6 9' 45&4' &3' 3 (' &3' ,))2118 ' 75 ' 5&;'),1,8',;');,)3' 4 ' H 8(' 58 : 3,*9' 4 ' 45,' *),(48(,'9)1,3'8('&(;'&) 2(;' 83&'&: 2(48(?'&4'45&4'48 :,' 4 '98',' 45 23&(;'8(9&(4)6'&(;'98',' 52(;),;'1&'&*)6' 35 2*;' &==) &15' 45,' 1846' 4523'),8(9)1,;' &' ;,3=,)&4,' 3)48,' 9' 45,' ,(48),' 9)1,' 78458(' 45,' 7&**3' 35 2*;' A,' :&;,M &(;' &' A&44*,' 9 2?54' 7845' 45,' A,38,?8(?' &):6' F 8(' 75815' 45,' 1848>,(3' 35 2*;'),:&8(' '814)8 23')'* 3,' ,',)6458(?' 4 ?,45,)' 7845' 45,8)' *8',3 G' E 4' 7&3' ;,4,) : 8(,;' &(;');,),;' 45,)9),' F' 45&4' 45 3,' 75 ' 7,),' 4 ' A,' *,94' A,58(;' 4 ' ?2&);' 45,' ?&4,3' &(;' 45,' ;,9,(1,3' 35 2*;' 89' 45,6' 3&7' 45&4' 45,8)' 9,** 7.' 1848>,(3' 7,),' 7)34,;' 8(' 45,' 98?54' 8: : ,;8&4,*6' =24' 4 ' ;,&45' 7845' 45,8)' 7(' 5&(;3' 45,' 7 :,(' &(;' 158*;),(' &(;' 45,(' 5&'8(?' 3,4' 98),' 4 ' 45,' 1846' ? ' 9)45' 4 ' :,,4' 45,' 3&:,' 9&4,' 7845' 45 3,' 75 ' 5&;' =),1,;,;' 45,: ' 8(' 3215' 3)4' 45&4' 45,' 1846' 35 2*;' A,' 3 ' ;,34) 6,;' &3' 45&4' (458(?' 35 2*;' A,' *,94' A24' 45,' :,:)6' 45,),9' &(;' 9' 45,' :&?(&(8:846' 9' 843' 8(5&A84&(43' &(;' &(' 8: :)4&*' ,O&:=*,' 4 ' &*#' 9242),

"' 62874,.4' 96>24') E8=:481,34' 6.614' =6346' 44' +,4' 4' 5' [
j' 8163' 1<8.' 1<6' W 1<' ,%' 1<81'),.1< 62874,.4' 96>24') E8=:481,34' O6.614' !1'!
T' 62874,.4' 96>24') E8=:481,34' O6.614' !'!

=, =*,3 75 5&'8(? A,,(' A)&' 9),,' 15 3,' 4 ' *8',' 8(% 9),,; : G J

24 84 7&3 (4 ;,348(,;'45&4 45,' *),(48(,3 35 2*;'5&',' 45,' ==)42(846 9 ?8'8(?,99,14 4 ' 4583),3 *248 (' ,)<)2118 ' (,',)' ;8;'&==,&)' A,9),' 45,' 7&**3 ')' 8(' 45,'),&)' 9 45,' A,38,?8(?'&) : 6' 5,')8(1,' 9)&(?,' 7&3 4 ' ? ;'&' ?,(,)&*' &(;' 4 ' 7,**&7&),' 9 45,' ;&(?,)' 4 ' 583 &) : 6 45&4 7 2*;'5&',' A,,(' 1&23,;' A6 3215 &' 34)&4,?81 : ',:,(4' 4 ' 7&84 9)' 45,' ,0,1248 (' 9 84 ' ,' ;,4,) : 8(,;' (' :&)158(3 ' 58 : 3,*9 4 ' : ,,4 ,))2118 ' 7845 &' *&)?,' =)48 (' 9 45,' 9)1,3 &4 583 ;83= 3&*' &(;' 98?548(?' 58 :' A,9),' 5,' 1 2*;' &==) &15 3299818,(4*6 (,&)' 4 ' 45,' 1846 9)' 583 &44&1@' 4 ' A,' 1 : A8(,;' 7845 &' 3)48,' 9) :' 45,' 7&**3 ' 4 7&3 ' 5 7,',)' &' ',)6 3,)8 23 :&44,)' 9)' 45,' ?,(,)&* 4 ' *,&',' &' 5&*9 :248(23 &) : 6' &(;' 4 ' 7,&@,(' 84 A6 4&@8(?' &7&6 7845 58 :' &' 1 (< 38;,)&A*,' =)48 (' 9 45,' A,34 &(;' : 34 4)2347)456 4) =3 45&4 1 : = 3,;' 84 ' 4 7&3 &' 34,=' 9)&2?54 7845 ;&(?,)M &(;' 7 2*;' 5&',' A,,(' 58?5*6 8 : =)2;,(4' 89 45,' : =,)8&*834 ?,(,)&* 5&;' (4 5&;' 45,' :,&(3 9 &332)8(?' 58 : 3,*9 45&4 583 &A3,(1,' 7 2*;' (4 A,' 4&@,(' &;'&(4&?,' 9 A6 45,' A,38,?,;' 4 ' 1 :,' 24 9) :' 45,8)' 7&**3 &?&8(34 583 7,&@,(,;' &) : 6' 2(32==)4,;' A6 45,' =),3,(1,' 9 843 158,9' 24 5,' 5&;' 4583 &332)&(1,' 5,' 9&4&* ,3323.358)4 9 58),*8(?' 4),&3 (' &;5,),;' 4 '45,' =,)8358(?' A ;6 9 *),(48(,'9),,; :' 4 ' 45,' *&34' 9 (*6 45,),' 1 2*;' 5&',' A,,(' (,' 45,)' 3215 &3 ,))2118 ' 1 : :&(;8(?' 78458(' 45,' 7&**3 8(' 45,' 34,&;' 9 45,' 58),;' 4)&84)' &?*8 (8Q 24 45,),' 7&3 (' 3,1 (;' ,))2118 ' (;' 45,),' 83 8)),924&A*,' ,'8;,(1,' 4 ' 35 7 ' 45&4 A,9),' 45,')8(1,' 9)&(?,' ;,18;,;' (' D28448(?' 45,' ,(1&:=:,(4 A,9),' *),(1,' 4 ' ? '&(;' :,,4 ,))2118 ' 5,' 5&;'),1,8',;' &(' &332)&(1,' 9) :' &?*8 (8 45&4 (' &44&1@' 35 2*;' A,' :&;,' (' 583 &):6 ;2)8(?' 583 &A3,(1,' ' J

(9)42(&4,*6‘4 ‘ &A2(;&(4‘48:,‘5&;‘A,,(‘‘&** 7,;‘4‘45,‘)8(1,‘&(;‘ &?*8 (8‘4‘&))&(?,&(;‘:&42),‘45,8)‘=*&(3‘A6‘&‘ ;,*&6‘8(‘45,‘ : ‘,:,(43‘ 9‘ ,))2118‘ 1&23,;‘A6‘&‘9,‘,)‘ 75815‘3,8>,;‘58:‘&4‘ 83&‘&(;‘ ;,4&8(,;‘58:‘45,),‘3,‘,)&** ;&63‘ 523‘&8;,;‘&(;‘1 (98;8(?‘8(‘45,‘2(;,)<34&(;8(?‘1 :,‘4‘7845‘45,‘A&3,‘4)&84)‘75‘7&3‘4523‘3,**8(?‘45,‘ ;,&),34‘8(4,),343‘ 9‘583‘4)2348(?‘ ,:=* 6,)3‘45,‘)8(1,‘ 9‘)&(?,‘ :&)15,;‘4‘ :,,4‘45,‘9)1,3‘ 2(;,)‘ ,))2118‘8(‘45,‘5d** ;834)814‘A,58(;‘ 834 8&‘A6‘75815‘) 24,‘45,‘*&44,)‘7&3‘,(;,&‘ 2)8(?‘4‘),&15‘45,‘ (,8?5A=2)5 ;‘ 9‘45,‘‘1&=84&*‘ (‘45,‘#(;‘ 9‘ 2?234‘ [&3‘7,‘*,&)(‘9) :‘45,‘*&34‘ 9‘45,‘3,)8,3‘ 9‘*,44,)3‘7)844,(‘A6‘45,‘ ,(,48&(‘&:A&3<3&;)‘4‘583‘?‘ ‘,)(:,(4‘;&4,;‘45,‘ ‘45‘ 9‘ 2?234]‘84‘A,1&:,‘@(7(‘4‘45,‘ 8?( )6‘45&4‘45,‘)8(1,‘5&;‘*,94‘45,‘1&:=‘7845‘45,‘A,34‘=&)4‘ 9‘583‘&):6‘ (;‘ 9‘1 2)3,‘84‘7&3‘&4‘ (1,‘&==&),(4‘45&4‘45,(‘)‘ (,‘,)‘7&3‘45,‘: :,(4‘9)‘45,‘=) H,14,;‘3)48,‘ 5,‘ ,(48),‘1846‘7&3‘3&63‘45,‘ ,(,48&(‘&:A&33&;)‘F‘;83=3,;‘&(;‘=),=&),;‘4‘?‘24‘4‘98?54‘M &‘) **.1&**‘ 9‘ ,8?54‘45 23&(;‘ 9‘45,‘1846‘:8*848&‘&(;‘‘9‘380‘45 23&(;‘47‘52(;),;‘&(;‘3,‘,(46‘58),;‘3 *;8,)3‘5&;‘A,,(‘:&;,‘M 47,(46.47‘=8,1,3‘9‘98,*;‘&)48**,)6‘5&;‘A,,(‘:&;,‘),&;6‘M 45,‘85 *6‘3&1)&:,(4‘5&;‘A,,(‘),1,8‘,;‘A6‘&**‘45,‘1&=4&8(3J‘&4‘4C8,‘1* 3,‘9‘&‘* (?‘=)<1,338 (8‘:&;,‘A&),9 4‘ (‘45,‘*&34‘;&63‘ 9‘E2*6M‘45,‘B (9&* (8,),M‘45,‘45,)‘/:&?834)&4,3‘&(;‘&‘*&)?^‘(2:A,)‘9‘45,‘8(5&A84&(43‘5&;‘&*3‘),1,8‘,;‘45,‘1 : :2(8 (M‘&?),&4‘:&(6‘=,)3 (3‘5&;‘:&;,‘45,8)‘78**3‘M &(;‘&**‘7&3‘),&;6‘9)‘45,.*&34‘;,3=,)&4,‘1&34‘75815‘7&3‘4‘ ;,18;,‘45,‘9242),‘9)42(`3‘&(;‘8(;,,;‘45,‘9242),‘,O834,(1,‘9‘*),(1,

24‘&4‘45,‘*&34‘ : :,(4‘F75,(‘(‘ 458(?‘92)45,)‘34 ;‘8(‘45,‘‘7&6‘ 9‘45,‘8:::,;8&4,‘,O,1248 (‘ 9‘45,‘8(4,(;,;‘3)48,C‘[45,‘1848>,(3‘7,),‘(4‘ (*6‘=),‘,(4,;‘9) :‘?8(?‘9)45‘A6‘45,‘1&=4&8(3‘ ;*&4,34&‘&(;‘ * ((&‘A24‘7,),‘(4

,',(=,):844,;4 3,(;47 4*8 23&(;8(9&(4)6 4 45, &8;
9 ,))2118 G J
* &1

4 78** A, A3,)',;45&4 45, ,(,48&(8:=*81&4,3 4,9&(
* (5& 45,1 : :&(;,) 9 45, 1846 :8*848& 8(45,4),&3 (
9 583)8'&* &(;32=,)8) 9981,) &*&4,34& (;&)158 9
1 (98):3 45, &1123&48 (&338?(8(? &3 45, : 48',9)
* ((&P3 4),&3 (45, &(?,) 5, 5&;1 (1,8',;&?&8(34 45,
*),(48(,3 A,1&23, 45,6 5&;=),9,)),;&*&4,34& 4 58:
&3 ?,(,)&*.8(.158,9

2)8(? 45,75 *, (8?54 9 45,45:; 9 2?234 45,),
7&3 3&63 45, ,(,48&(45, ?),&4,34 ;&(?,) 9 &;,3=,)&4,
34)2??*,A,47,,(45, ,()&?,;1848>,(3 &(;45,9 ** 7,)3 9
&*&4,34&M 45,),32*4 9 75815 7 2*;5&',A,,(45&4 45,
8:=,)8&*834 4) =3 7 2*;5&', :&)15,;8(4 45,1846 F &(;
45,244,) ;,34)2148 (9 84 7 2*;5&',A,,(45,),32*4 G

4 83 4 A, A3,)',; 5 7,',) &(;5834)81&* 5 (,346
9)A8;3 45&4 84 35 2*;A,*,94 2((481,;45&4 45, ,(,48&(
&:A&33&;) 8(3&68(? 45&4 &*&4,34& &(; * ((& =),<
',(4,;45,1848>,(3 9) :? 8(? 24 4 98?54 &;;3 45&4 45,6
L 45,47 ?,(,)&*3 L F 7,),8(= 33,338 (9 45,8(4,(48 (3
9 :&(6 9 45,?),&4 [1848>,(3] 9 45,?),&4,) =&)4 9 45,
1846 &(; 9 45,?),&4,) =&)4 9 45,3 *;8,)3 G

5,34&4,:,(4 83 & ',)6 8:=)4&(4 (, 5&4 :&(6 9
F 45,?),&4 G 45&4 83 45,7,&*458,) 1848>,(3 &(; ,3=,18&**6
45 3,7,** ;83= 3,;4 7&);3 45, ,;818 35 2*;5&',A,<
1 :, 48),; 9 45,7&) ',(89 45,6 5&; ,',) &==) ',; 9
84 &(;35 2*;5&',7835,;4 1 :,4 4,):3 7845 45, =,
&(; 45, :=,)))&45,) 45&(=,)835 A,(,&45 45,)28(3 9
45,1846 83 D284,75&4 :8?54 5&',A,,(,O=,14,; 4 7&3
7,** @(7(&** &* (? 45&4 45,),7,), :,(8(45,1846 75
7,),8(45,8) 5,&)43 =&)483&H83 9 45, =,&(;45, ,;818
4 83 &*3 D284,8(&11);&(1,7845 &** 2) ,O=,)8,(1, 9
75&4 5&3 5&==,(,;&(;83 *8@,*6 4 5&==,(2(;,) 38:8*&)

62,74,.4 96>24) E8=:481,34 O6.614 =6346 44 +,4 4 5 W HF 4E D4
5 # 5 6

U[' # ' ' ' ' '

H]' 18)12 : 34&(1,3' 45&4' : &(6' 9' 45,')815,)' 1848>,(3' 35 2*;' 5&',' A,1 : ,' 7,&)6' 9' &'),3834&(1,' 75815' 45,6'=,)1,8',;' 4 ' A,' '&8(' &(;' 35 2*;' 5&',' A,,(' A6'(' : ,&(3' &(O8 23' 4 ' 1&))6' 24' 45&4' [E,4,) : 8(&48 (' 9' ;68(?' 2(;,)' 45,')28(3' 9' 45,' 1846')&45,)' 45&(' 68,*;' ' 24' 84' 83' 34&)4*8(?' 4 ' 98(;' 45,' & : A&33&< ;)' &33,)48(?' 45&4' &*&4,34&' &14,;' 8(' &11);&(1,' 7845' 4*8,' 7835,3' 9' 45,' ?),&4,)' =&)4' 9' 45,' 1846' 4' 83' 8 : = 338A*,' 4 ' 32== 3,' 45&4' 3215' 35 2*;' 5&',' A,,(' 45,' 1&3,' 4' 83'8(1 (< 3834,(4' 7845' 583' 7('),=,&4,;' 34&4,:,(43'),3=,148(?' 45,' ,(45238&3 :' &(;' ;,4,) : 8(&48 (' 9' 45,' 1848>,(3' 4 ' ,(;2),' ,',)6',O4),:846')&45,)' 45&(' 1 (3,(4' 4 ' 45,' 4,) : 3' 45,' =,' &(;' :=,))' 7835,;' 4 ' 8 : = 3,' ('45,:' &(;' 45,' 4,348 : (6' 3 ' 94,('),12))8(?' 8(' 583' *,44,)3' 4 ' 45,' ',)6'),:&)@&A*,'),&;8(,33' &(;' 15,,)92*(,33' 7845' 75815' 45,'),=,&4,;' 1&**3' (' 45,' 1848>,(3' 9)' (,7' 1 (4)8A248 (3' 4 ' 45,' ,O=,(3,3' 9' 45,' 7&)' 7,)' =&8;' 4' 83' 8(1 (3834,(4' ,',(' '845' 45,' 34&4,:,(4' 4 ' A,' 9 2(;' &' 9,7' *8(,3' 92)45,)' (' 8(' 45,' 3&:,' *,44,)' 4 ' 45,' ,99,14' 45&4' 45,),' 7&3' 45,' ?),&4,34' ;&(?,)' 9' &' '8 *,(4' 34)2??*,' 8(' 45,' 1846' 8(' 1 (3,D2,(1,' 9' 45,')&?,' &(;' 8(< ;8?(&48 (' 9' 45,' 1848>,(3' &4' &*&4,34&P3' 4),&15,)6')' 38(1,' 5,' 5&;' :),' 45&(' 38O' 45 23&(;' 9' 583' 7(' :,(' 8(' 45,' 1846' 89' 8(' &;;848 (' 4 ' 45,3,' 45,' ?),&4,)' =&)4' 9' 45,' 1848>,(3' 5&;' A,,(' 9&' 2)&A*,' 4 ' 45,' 8(&148 (' 5,' 7&3';,4,)(88(,;' 4 ' :&8(4&8(' 45,),' 1 2*;' 5&',' A,,(' (' = 338A8*846' 9'),3834&(1,' (' 45,' =&)4' 9' &' :8( )846' 4 ' 45,' 78** 9' &' :&H)846' A&1@,;' A6' 38O' 45 23&(;' &):,;' :,(' 338A*6' 45,' &:A&33&;)' :&6' 5&',' :,&(4' 4 ' 3&6' 45&4' F' :&(6' 9' 45,' 7,&*456' 1848>,(3' 8(' 45,' ?),&4,)' =&)4' 9' 45,' 1846' G' 1 (12)),;' 8(' 45,' '8,73' 9' &*&4,34&M # #' :&(6' 9' 45,')815' :,(' 45) 2?5 24' 45,' ?),&4,)' (2 : A,)' 9' 45,' 1846' ;834)8143 J

'" <6' G,39=' ,%' 1<6' 06.6148.@=' 261163' 836' 9'),214' 96@ >38.94' 96228')8>>4,3' 58316' 96228' :411C' 6' 96228')8>>4,3' 58316' 96228' >6.16' 98' >*6338'('" 5*.:1*8169' =,' E;' #4>.,3' 2E634' 1<6' 6941,3',%' 1<6' ' 62874,.4 (' *'14%' 1<6' :,))8' 8%163' 1<6' G,39=' 96@ >38.94(' G636' 36),+69' 1<6' 58==8>6' G,*29' %466)' :858E26' ,%' E6834.>' 1<6' :,.=13*:14,.' =*>>6=169'4.' 1<6' 16D1

?&8(' 75&4 9 ** 73 8(' 45,' &11 2(4 9 45,' ,(,48&(' & : .' A&33&;)' ; ,3 (4 3,, :' 1 (3834,(4 7845 45,' 32== 3848 (' 45&4 45,' : &H)846 9 45,' 1848>,(3 7,),' : 8(;,;' 4 ' &A&(; (' 45,' 34)2??*,' (' 45,' :)(8(?' 9 45,' -45 ' 5,' ? ,3 (' 4 '),*&4,' (,73 1& : ,' 4 ' *),(1,' 45&4 &' A&44*,' 5&;' A,,(' 9 2?54 A,47,,(' 45,')8(1,' &(;' 45,' 9)1,3 9 45,' : : (< 7,&*45 2(;,)' ,))2118 ' 8(' 75815 45,' 9) : ,)' 5&;' 9&**,(' 0 5,),2= (' 45,' 1&=4&8(3 ' [&*&4,34&' &(;' 4,9&(' * ((&' 45&4 83 4 ' 3&6]' =,) : 844,;' 45,' 1848>,(' 4) =3 &(;' &' 1 (38;,)< &A*,' =&)4 9 45,' 3 *;8,)3 8(' 45,' 1846 4 ' ? ' 24 &?&8(34 45,' 8 : =,)8&*834 A,38,?8(?' &) : 6M &' *8(,' 9 1 (;214 8(4,**8?8A*,' ,(2?5 2(;,)' 45,' 18)12 : 34&(1,3 ' 89 7,' &),' 4 ' 32== 3,' 45&4 45,' (,73),1,8',;' *,;' 45,' 1&=4&8(3 4 ' A,?8(' 4 ' A,458(@' 45, : ' 45&4 84 : 8?54 A,1 : ,' ;&(?,) 23 9)' 45, : ' 4 ' =,)3834 8**'),38348(?' 45,' 78**' 9 45,' 1846 8(' 4583 : &44,)M A24 31&)1,*6 8(4,**8?8A*,' (' 45,' 32== 3848 (' 45&4 8(' =),',(48(?' 45,' 3)48,' 45,6 7,),' &148(?' 8(' 1 (9) : 846 7845 45,' 7835,3 9 45,' : &H)846 9 45,' 1848>,(3

0 ,' &),' &332),;' 4 ' A 45 A6 45,' ,(,48&(' & : A&33&;)' &(;' A6 &)158 ' 45&4 4583 =,) : 8338 (' 4 ' : &@,' &' 3)48,' 7&3 : ,),*6 8**23)6M 45&4 &*&4,34&' @(,7 =,)9,14*6 7,** 45&4 45,' 8 : =,)8&*834 4) =3 *,94 2(;,)' 45,' 7&**3 9 *),(1,' 5&;'),1,8',;');,)3 (4 4 ' 98?54 8(' 1&3,' 9 &(6 3)48,' &44, : =4,;' A6 45,' 1848>,(3 ' A24 4 '), : &8(' (' 45,' ;,9,(38',' 78458(' 45,8)' *8(,3M 45&4 8(' 9&14 (458(?' 1& : ,' 9 45,' 3)48,' 8Y 7&3 8(4,(;,;' A6 45,' 1&=4&8(3 4 ' 1 : ,' 9 84M 45&4 84 7&3 &' : ,),' ;,'81,' 9)' 45) 78(?' ;234 8(' 45,' ,6,3 9 45,' 1848>,(3 ' &(;' ?&8(8(?' 48 : ,

,&(758*,' 48;8(?3 9 45,'),&*),32*43 9 45,' A&44*,' A,47,,(' 45,')8(1,' 9)&(?,' &(;' ,))2118 ' 5&;'),&15,;' *),(1,' &(;' =) ;21,;' &' 34|;' &(;' 4,))8A*,' 9&**' 8(' 45,' 3=8)843' 9 45,' 1848>,(3 ' 9) : ' 45,'),(,7,;' 5 =,3 75815 45,' 98)34 (,73 9) : ' 834 8&' 5&;' 1),&4,;' 4 ' &' 9,,*8(?' ',)6 (,&)' 4 ' ;,3=&8)

(' 45,');' 9 2?234 45,' A&44*,' 75815 ;,18;,;' 45,' 9&4,

9 *),(1,' 5&;' 8(;,,; A,,('89 2?54' 8(' 45,' : 2(4&8(b' &A ',' 834 8& '&4' &' 8**&?,'1&**,;' B&'8(&(&' 5,'8**. :,(,;' 3= 4' Y*8,3' 58?5'' &(;'' A*,&@' (' 45,' 38;,' 9' 45,' =,((8(,8' 78458(38?54 9' 45,'4)&',**,)' &3' 5,' =&33,3 &A 24' &' :8*,'4 ' 45,')8?54' 9' 84' ('583'87&6'9) :' 834 8&' 4 7&);3' ;,(&8' (;' (4' &=,&3&(4 9''45,3,' : 2(4&8(3Q45 2?5'8?()&(4'&3' 583V'6 @,'* 9' ; ',.1 * 2),;' O,:' 9J &**'45,' 5834)6' 9' 58b' 1 2(4)6'[9) :' 45&4'[;&6' 4 ' 4583H' (4' &' ? &4.A,);' 4,(;8(?' 583V' 9* 1@' A6' 45,' 9 &; .38;,')' &M ?)8(&6' (82*,4,,)' A)8(?8(?' ; 7(' 583' 34)8(?' 9!15&)1 &*.*&;,(' A,&343' 9) :8' 45,' 9),343'I' 9' 45,882===) C .=,((8(,''78**'A,' 9 2(;' 2(&A*,'4 ' = 8(48' 24''4 ''45,'H34)&(?,)' 45,''98,*;' (' 75815' :),' 45&(' ' 45),,(5d88;),;'6,&)3' &? ' 231&(' *8A,)46' 7&3'89 2?548 H9)' &(;8* 348M' '

v 5,9'A&44*,' 5&;' A,,('9 2?54''T&3M 45, 98)34'(,73' 9' 84'.) ' 1,8',; &48' * 4,(1,5&;' 4 *;'' 4 7&3'4)2,' :), ',) 45&4' 45,')8(1,' 9'')&(?,'5&;'9&**,('8('45,8'98?54' 24' &*&3'Q'45,' 7 8P3,)85j*9i 9' 45,'4)24588),:&8(,;' 4 ' A,'4 *;' 45 1 85)' :&(;,)3' 5&;M9&**,(M' 45, 32==)4,)' 9' :8?54' &?&8(34')8?54' 35 4'; 7('8(' 45^'5,&4'* 9'45,'A&44*,C' &(;''45,' 15&:=8 (' 9' 98?54' &?&8(34' :8?54' 3*&8('8('1 *;' A* ;'&94,)'45,' A&44*,' 7&3' ',)' " ' (4784534&48;8(?' 45,' ;,&45' 9 M45,' 8:=,)8&*834' 8?,(,9&* Q45,' *),(48(,I9)1,3' 5&;'' A,,(' ,(48),*68')H (4,;:' (;'2'45833','',(4M' '4 ?,45,)' 7845.' &?*8 HH8P3' 4),&15,)68'&4' | *),(1,6]8('9&8,4','(;,;'845,''34)2??*,' ' ' ' C 5,' 48P88,' 48;8(?3'[9' 45,' 9,32*4' X 9' 845, A&44*,'),&15,;' *B)f51&' (45,' 45HH &5;' 329981,;.4 v&332),' 45, 4)&84 ' 8 &?*8 (8*45&4 5D' 7&3I(7' :&34,)' 9' 45,'83842&48==' *8='.8:::,;8&4,*6'),(,7,;' A83'8(3834&(1,'845&4' ,(6 63''35 2*;' A,' 3A(98tA6 45,'81846'4 ' 4),&4' 7845'H4A,' 8:=,)8&*'?,(,)&*'[ ] (' ,))&(4,' B (>&?&' 75 ' 5&;' 3211,,;,;' 4 ' 45,')8(1,'(9' 9j(? ''&`X1 ::&(;,) (C158,9' 9'' 45,' :=,))P3' &4826'):,)' ,(;,&' 2)3' (' 445D8=&)4 ,9/45,8)' 9&*3,' ?,(,)&*'4 ' 98(;5;,'[45,' 8?)i_)6' 4 884&@,' M45H 8' 34,=' 5&;' A,,(' [98):*6' [),3834,;'' 24' #),1,8'8(?' 45,89&4&*. (,73'=9 45,' ;,&45 .D9

,))2118 '&(;' 45,') 24' 9'583' &):6'45,' *),(48(,'? ',)(<
:,(4'1 (3,(4,;'4 '3,(;' :,33,(?,)' 7845'&'8,7'4 '4),&48(?'
9)' &' 1&=842*&48 (' ,',)45,*,33' 45 2?5' 45,' :,33,(?,)3'
7,),' 3,(4'45,' ;,3=&8)8(?' ;,4,):8(&48 (' 9'45,' 1848>,(3'4 '
4)6' &' *&34' &==,&* 4 ' &):3' 8(' 45,8)' 7(' =,)3 (3' 7&3' 3 '
34) (?'45&4'84'7&3' ;,18;,;'4 '? ' 24'9) :'45,'7&**3' &?&8(34'
45,' A,38,?,)3' A,9),' 45 3,' *,94' 8(' 45,' (,8?5A 2)5 ;' 9'
*),(1,' 35 2*;' A,'),8(9)1,;' A6 45,'),42)(' 9'45,''814 <
)8 23' 4) =3' 9) :' 45,' 834 8&' 58**3' ' 3 *,:(' &45'7&3'
&;:8(834,),;'4 '45,'*,&;,)3' 9'45,'1846' :8*848&'4 'A,'4)2,'4 '
45,'1846'? ',)(:,(4'4 '45,'*&34'M *&)?,'=) :83,3' 9'),7&);3'
7,),' :&;,' 8('1&3,' 9'3211,33'H &(;' &** 7&3'),&;6'9)'4583'
32=),:,' &(;';,3=,)&4,' ,99)4C' 75,('&('&: 2(4' 9' ;831);'
&: (?' 45,'1848>,(3' :&(89,34,;'843,*9'75815'45),&4,(`;'4 '
1* 3,' 45,' 34)6' 9'45,' *),(48(,' : : (7,&*45'8('&'6,4'
:),';83&34) 23'&(;'*,33'1),;84&A*,':&((,)'45&('843'9)18A*,'
,O48(148 (' A6'45,'5&(;3' 9'46)&(43' '3:&**(2:A,)'(4'
&A ','47 '52(;),;' 9'45,'1846':8*848&'A,4&@8(?'45,:3,*',3'
4 ' F45,' 45,)GL ##'45,'3 245,)('38;,' 9'45,')(.'
;,1*&),;'45,:3,*',3'32==)4,)3' 9' &?*8 (8'&(;';,4,):8(,;'
4 '),3834'45,' &44,:=4' 4 ' :&@,'45,' 1 (4,:=*&4,;' 3)48,'
&?&8(34'583'7835,3' 5,' 8?( )6'45,),9),P&4' (1,';,4,)<
:8(,;' 9):&**6'4 ';,=)8',' &?*8 (8' 9'583'1 : :&(;'&(;'
9,,(4' ,33,)' 88;), * 811 *8(8'4 '58:'7845'&('8(48:&48 ('4 '
45&4',99,14' 4'3,,:3'32)=)838(?'45&4'45,'1846'? ',)(:,(4'
35 2*;'5&',' 1 (1,8',;'843,*9'348**34) (?',(2?5'4 '4&@,'
4583'34,=' 7845'&(6',O=,14&48 (' 9' A4&8(8(?'&(6'&;'&(4;?,'
9) :'84' 48;'45,'),32*4' ',86'35)4*6'35;7,;'5 7'8(2A*8'
(8;),' 1)),14*6' &?*8 (8'&==),18&4,;'45,'3842&48 (' ('1 (<
38;,)8(?' 58:3,*9'&3' :=*,4,*6'8(&34,)' 9'84'&(;' 9'45,'
1846' rPK ' '
05,(' ,33,)' 88;), * 811 *8(8'&==,&),;'A,9), &?.'
I*8 58M'&(;'8(48:&4,;'4 '58:'45,);,)' 9'45,' 8?( )6'45&4'
5`.35 2*;'),(;,)'4&=' 451/?,(,)&*P3' 34&99'75815'5&;A,,('
,(49234,;'4 '58:'5,9*58;'45,.,('6';,&;'&4'583'9,,4 7845

I3=,14&1*,' &**' A24' 32),' 4 ' 5&',' A,,('),&*83,;' &(;' 6,4' 4 ' ' 35 1@8(?' &(;' 9,&)92*' 4 ' 4*88(@' 9 G

5,'),32*4' 7&3' 45&4' 45,' 8?( )6' 45&4' 3&:,' ,',(8(?' &== 8(4,;' y&(A8 ' &)4 *8(8 ' &3'P 3 *,' 1 : :833&)6' 4 ' &))&(?,' 4,):3' 7845' &*&4,34&M' &' :&(' 75 ' 5&;' (*6' &' ;&6')'47 ' =),'8 23*6'A,,('),: ',;'9) :' 45,' ? ',)(:,(4' 8(' 1 (3,D2,(1,' 9' 323=818 (3' &44&1588(?' 4 ' 583' * 6&*46' 4 ' 45,' 1&23,' 9' *),(1,' (;' 45,' 15 81,' 9' 3215' &' :&(' 83' &A2(;&D4','8;,(1,' 45&4' 45,' 1846' (7' 1 (38;,),;' 45,' 1 (4,34' 4 ' A,' &4' &(' ,(;' &(;' 45,' 1&23,' 9' 9),,; :' 4 ' 5&',' A,,(' * 34

215' 7&3' 8(;,,;' 45,' 4)245' 5,' 3 ' * (?' 1 :8(?' 8(,'84&A*,' 1&4&34) =5,' 5&;' A,,('),&15,;' &4' *&34'M &(;' 4583' 34)6' 9' 9 2)' 1,(42)8,3' 9' ,',).9&8*8(?' 1 (48(2&**6'),(,7,;' &44,:=43' 4 ' ,34&A*835' &(' ,(;87&A*,' 3634,:' 9' 3,*9.? ',)(< :,(4' 5&3' 1 :,' 4 ' &(',(;

5,),' 7&3' :215' ;&(?,)' 45&4' 45,' 2(5&==6' 1846' 7 2*;' T,',(' 6,4' (4' ,31&=,' 45,' 5)))' &(;' 45,' 5&' 1' 9' 3&1@' &(;' =8**&?,' &4' 45,' 5&(;' 9' &(' 2(3=,&@&A*6' A)24&*83,;' 3 *;8,)6' F ' 1 (98;,(1,' 1&(.A,' 9,*4' 8(' 45,' 3&9,46' 9' 45,' I846 G' 3&63' 45,' ,(,48&(' F'2(48*'T45,' &):6' 35&**' 5&',' A,,(' 3,(4' &7&6' 3 '?),&4' 83' 45,8)' ;,38),' 9)' &' 3&1@' (' 45,' 1 2)3,' 9'*&34' (8?54' [45,' #45' 9' 2?234]' 45,),' 7C&3 98?548(?' 8(' 45,' 34),,43' 8(' 45),,' ;899,),(4' =*&1,3' &(;' 45,' 3 *;8,)3' T 2438;,' &44,:=4,;' 4 ' :&@,' 45,8)' 7&6'8(' 24' 45,' 1&=4&8(' [&*&4,34&]' ; ,3' (4' 9&8**' 8(' &**' ;85?,(1,' 9)' 45,' =) 4,148 (' 9' 45,' 1846 G' (4,**8?8A*6',(2?5' &3' 8?( )' *A^)8'),:&)@3' 8(' &' (4,' 4 ' 45,' F' ,*&48 ('P' 9' 45,' ,(,48&(J' 8(&3:215' &3' *,:,(4' F ;8;' (4' 7835' 4 '),8?(' ',)' 45,' 1)=3,' 9' &' 3*&2?54,),;' 1846' &*&4,34&' 7&3' &(37,)&A*,' 4 ' 58:' 9)' 45,' 3&9,46' 9' 45,' 1846' 45,' @,,=8(?' 9' 45,' =) :83,3' :&;,' A6' 45,' =,' 4 ' 58:' 7 2*;' ;,=,(;' (' 583' 3,12)8(?' 4583 G

* Vd

*),(1,' 45,),9),' 7&3' 3&',;' 9) :' :&4,)8&*' ;,34)2148 (' 8(');,)' 45&4' 35,' :8?54' A,' 5&(;,;' ',)' 4 ' 5,)' 9242),' 7(,)' 8(' &' =) 984&A*,' 1 (;848 (' 9' 1 2)3,',',)6' @8(;' 9' 348=2*&48 (' |'5815' 1 2*;'),&332),' 45,' '&(D2835,;' A24J '348*'),*214&(4' 1848>,(3' &3' 4 '45,8)' 9242),' =) 3=,143' &(;' 1 (;848 (' 7&3' ,&38*6' :&;,')' 45,6' 7,),' ;,&*8(?' 7845' &(' &;',)3&)6' 75 :' (' =) :83,3)' 4),&48,3' 5 73 ,',)' 3 *,:(' 1 2*;' A8(;' &(;' 4 ' 75 :' 45,' 1 34' 8(' &(6' 3)4' 9' 9),,8(?' 58:3,*9' 9)D:' &*' 3215' A (;3' 7&3' &A3 *24,*6' (458(?

5,' 988B34' 1*&23,' 8(' 45,' &)481*,3' 9' 1&=842*&48 (')&(' 4523'

,8 # 5,' 9):' 9' 45,T? ',)(:,(4' 83' 4 ' A,'),< ?2*&4,;' &(;',34&A*835,;' 78458(' 9 2)' : (453' A6' 583' :=,)8&*' &H,346' ' (' ! ') ' ! ' ' ,7' .%' 8 9

5,' &(O8,46' 9' 45,' 1848>,(3' ,',(' &4' 45&4' 35=),:,' : :,(4' 4 ' 45) 7' 45,:3,*',3' 8(4 ' 45,' 5&(;3' &(;' (' 45,' :,)16' 9' 45,' :=,))')&45,)' 45&(' 8(4 ' 45 3,' 9' 45,' =,' 45,8)' 1 2(4)6:&(' 83' ',)6' (4,7)456

5,' 45,)' (8(,' &)481*,3' 9' 45,' 1&=842*&48 ('),9,)' 4 :' 45,'),34)&48 (' 9' &*' 1848>,(3' 8(' ,O8*,' (' &11 2(4' 9' 45,8).' ,;81,&(' 36:=&458,3' M' 4 ' 45,' :(,63M' 4 ' A,'9 2(;' A6' 45,' 1846' 9)' 45,' =&6:,(4' 9' 45,' :=,)8&*' &(;' &=&*' &):6M' 4=' 45,' ?8'8(?' 9' 5 34&?,3' A6' 45,' 1848>,(3' 9)' 45,' ;2,' =,)9))&4' &(1,' 9' 45,8) =&)4' 9' 45, 1 (4)&14H' 4 ' 45,' 4)&(39,),(1,' 9' 45, 3,)'81,3' 9' &?*8 (8' &(;' 4,9&(' * (2&'9) :' 45,' 1846' 4= 49*,' :=,))' &(;' 4A,8)' 1 (48(2&(1,';(84 5,' 1846' 48**' &**' 45,:' 1 (;848 (3' 9' 45D' 4),&46' 5&;' A,,(.92*98**,;' M 4 ''845,' &332)8(?' 9' 9),,' =,):8338 (' 4 ' 5(6' 1848>,(' 75 ' :8?54' 78^5' 4 '),38;,' 8(' :,' 4 ' ;' 3 ' 2(:*,34,;' M 4 ' 45,' ?8'8(?' 5&1@' 4 ' 45K' *),(48(,' ?6,)()D,(4' ' &**' 45,' =*&1,3' *&5;' *&(;3' 75815' 5&;' A,,(' 4&@,(' A6' 45,' '814)8 23' &):6M Q4 '' 45,'),: '&* 9' 45,&):6' &3' 3 (' &3' ,',)' 84' 35 2*;8' 5&',

T ‘ ‘ ‘ ‘ !‘

),1,8',;‘843‘=&6‘^‘ &(;‘ 4 ‘ =) :83,3‘ 9‘ :242&*‘ & : (,346‘ &(;P ‘
),:8338 (‘ 9‘&**‘=&8(3‘&(;‘=,(&*48,3‘ (‘,845,)‘38;,‘
4‘7&3‘D284,‘& :&44,)‘ 9‘1 82P3,‘&(;‘84‘83‘5&);*6‘(,1,33&)6‘
4‘3&6‘45&4‘ =,‘ *,:,(4‘=) 1,,;,;‘8: :,;8&4,*6‘ (‘?,448(?‘
45,‘2(5&==6‘1846‘8(4‘583/5&(;3‘4‘'8 *&4,‘8(‘45,‘:34‘
2(A*2358(?‘:&((,)‘&*: 34‘,',)6‘ (,‘ 9‘45,‘=) :83,3‘:&;`‘
8(‘45,3,‘348=2*&48 (3‘ I 4‘83‘ (*6‘&‘:&44,)‘ 9‘32)=)83,‘45&4
&(6‘:&(‘8(‘ *),(1,‘35 2*;‘9)‘&(‘8(34&(4‘5&',‘ ;),&:,;‘
45&4‘5,‘7 2*;‘ ;=‘ 45,)783,‘ 0845‘),?&);‘4‘45`‘:&8(&(;‘
&**.8:=)4&(4‘1 (;848 (.‘75815‘?2&)&(4,,;‘45,‘=),3,)'&48 (‘
9‘45,‘9),,; :‘D9‘45,‘K1846‘45,‘ :=,))‘7&3‘ 9‘1 2)3,P
,D2&**6‘9&*3,‘&(;‘9 937)(‘.7845‘45,‘ =,‘)‘7,‘5(7‘
45&4‘45,‘75 *,‘ AH,14‘ 9‘583‘7&)‘&?&8(34‘45,‘ : :)*.‘
7,&*45‘&(;‘583‘&**8&(1,‘7845‘45,‘ =,‘7&3‘45,‘),;2148 88‘
9‘45,‘1846‘4‘45,‘1 (;848 (‘ 9‘&‘=)8(18=&*846‘9)‘583‘8**,?848.‘
:&4,‘;&2?54,)‘ &)?&),4‘&(;‘5,)‘=) = 3,;‘523A&(;‘C45,‘
=,P3‘8**,?848:&4,‘3 (‘ *,O&(;,)‘;,P ,;818‘ 24‘45,‘
;,4&8*3‘ 9‘45,‘1)2358(?‘46)&((6‘75815‘8(‘35&:,*,33‘'8 *&E.E‘
48 (‘ 9‘45,‘37)(‘4),&46‘:&;,‘45,‘1848>,(3‘45,‘‘1 8',)8(?‘
3*&',3‘ 9‘45,‘ =,‘&(;‘45,‘ =,P3‘A&34&);‘3 (‘&(;‘45,‘'8*,‘
A&(;‘ 9‘45&4‘3 (P3‘ :8(8 (3‘&(;‘1),&42),3M‘&(;‘C=),=&),;‘
45,:‘9)‘45&4‘2(3=,&@&A*6‘I))2=4‘&(;‘;,?)&;,;‘,O834,(1‘
9‘45),,‘52(;),;‘6,&)3‘ 9‘;,3=483:‘75815‘9 ** 7,;‘M745`‘
&4) 18 23M‘1)2,*48,3‘ ;,'83,;‘4‘?*24‘ ,;81,&(‘',(?,&(1,.M‘
45,‘1&*12*&4,;‘&(;‘=2)= 3,;‘;,:)&*8>&48 (945,P1848>,(3‘
&11 :=*835,;‘7845‘~‘3@8**‘45&4‘5 .*&6:&(P3J A)&8(‘)‘5,&)4‘
1 2*;‘5&',‘),&15,;‘&(;‘(‘*&6:&(P3‘= 7,)‘5&',.=245)8C‘
,O,1248 (M‘&**‘4583‘7&3‘45,‘3=,18&*=) '8(1,:(;‘15&8 0‘
4,)83481‘7)@‘ 9‘& ,;81,&(‘ =,‘J

5,‘34)6‘ 9‘45,‘ :&*=(7,&*45‘ 9‘ *),(1,‘5&3‘.A,,(‘
4 *;‘ *T ‘ ‘
9‘45,‘&((&*3‘ 9‘45&4‘34):6‘A24‘348**=) *8981‘*89,‘5&',‘
3,,:,;‘4‘(3‘8(‘45,‘1 (4,:=*&48 (‘ 9‘45,:‘4‘5&',‘*,94‘4‘
45,‘32A3,D2,(4‘?,(,)&48 (3‘ 9‘:&(@8(;‘&‘*&)?,)‘*,?&16‘9

U # ' ' ' ' ' ,'

! 7&)(8(?' 45&(' 9' ,O& : =*,M 89' 9&2*43 ' 9 **8,3 ' &(;' &A,))&<
W 48 (3' 5&',' 3,, : ,;' 4 ' 8('84,' 2)' 1,(32),' :),' 9),D2,(4*6'
&(;' :),' =) :8(,(4*6' 45&(' 45,' (A*,(,33' 9' &8 : ' &(;'
,99)4' 5&3 &7&@,(,;' 2)' &; : 2&48 (' *,4' 23' (4' 9)?,4'
45,' '&(4&?,.?) 2(;' 9) :' 75815' 7,' * @' A&1@' (' &(;'
H2;?,' 45,3,' =8 (,,)3' 8(' 45,' =&45' 9' 3 18&**)?&(8>&48 ('
9' 45,' 1 : P4&8(' 9&**3' (' 4583' ;)& : &' 9' 9 2)' 1,(42)8,3' 9'
=,)=*,O,;' ,99)4' &(;' ',)6' =&)48&**6' 8(4,**8?,(4' 34)2??*8(?'
8(' 45,' ;&)@(,33' 9' 4 4&** 9&8*2),' &3' 7,' 3&7' 9) :' &(' ,&)*6'
=,)8 ;' 9' 45,' &148 (' 45&4' 84' (,,;3' : 234' 9&**' *,4' 23'),:,:A,)'
45&4' ('5,) 81' 34)8'8(?' (' ' (A*,' &8 : ' (' 58?5' &3=8)&48 ('83'
9)234)&4,;')' ;,9)&2;,;' 9' 843' =) ?,(6' 9' ? ;' 4 ' :&('
,',(' 45 2?5' 84' 5&3' (,',)' A,,('1) 7(,;' A6' 75&4' 7,' 1&**
3211,33')' 5&3' &44&8(,;' 45,' ,(;' &4' 75815' 84' 7&3' &8 : ,;
5,' 7)*;' 83' 348**' &' 5,&'6' ;,A4)' 4 ' 45&4' 3),*6' 4) 2A*,;'
*;' *),(1,' 5,),' 7&3' : 215' 9' 45,' A,34' &(;' 45,' (A*,34'
8(' 843' &8 : 3' &(;' AH,143M ',)6' : 215' 45&4' 7&3' 7)456' 9' &**
&; :8)&48 (' &(;' 36 : =&456' 8(' &143' ; (,' &(;' 3299,),;' 2)'
34)6' 9' 45,3,' 9 2)' 1,(42)8,3' 5&3' (4' A,,(' &(' 2(15,D2,)1;'
(,' 24' 45&4' 75815'),*&4,3' 45,' 3&;' A24' (4' 2(8(34)2148','
5834)u' 9' 45,' 3211,,;8(?' 45),' 1,(42)8,3' 7 2*;' A,'),&**6'
2(15,D2,),;' A6' &')&6' 9' *8?54M' &3' ;83 : &**6' 2(89) :' &'
4&*,' 9' =) ?),338',' ;,4,)8)&48 (' &(;' ;,1&6' &3' &(6' =)48 ('
9' 45,' &((&*3' 9' : &(@8(;' 1&(' 99,)' 24' 45,' : &*,981,(4'
=2)= 3,3' &(;','8** &8 : 3' 9' 45 3,' A&;' 48 : ,3' 5&',' &*3 ' ,(;,;'
8(' 9&8*2),' &3' 45,6' 4 ' : 234' (,,;3' 5&',' ,(;,;')'
& : ,*8)&48 (') ' 45,' 2(8',)3&** *&7 ' 4' 5 7,',)' 2(9&' 2)&A*,'
&' : :,(4' 8(' 45,' (&48 (&** *89,' 9' &(6' =, =*,' 45,' A3,)',)'
: &6' 4&@,' 583' 34&(;.= 8(4' 348**' 84' 83' 4)2,' 45&4' 45,' ? ;' 48 : ,'
83' 4 ' A,' * @,;'9)' (4' 8(' 45,' =&34' A24' 8(' 45,' 9242),' 5,'
7&',' : &6'),48),' A24' 45,' 48;1)', : ,3' (' (;' 45,' 1 (<
'8148 (45&4' 3 ' 84' 5&3' A,,(' &(;' 3 ' 78** 1 (48(2,' 4 ' A,'
83' 9&845' 8(' B ; L 45,' (*6' 9&845' 45&4' 1&(' H234896' 83' 7&63'
4 ' : &(

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" ‘ ‘ : ‘ ‘ ‘ ! ‘ ‘ ‘ ‘ (‘ " ‘
X ‘ F " ‘ N 8 8 8 # ‘ ‘ (" ‘ ‘ ‘ Z ‘ ‘ [‘ ‘ ‘
" ‘ - -

‘ ,8 (: 8 (, ‘ & : , (‘ ((‘ ; : 8 (8 (34) 8 E, 32 ‘ *2 348 &A 8=3823 3&*24R9,) &‘ 81&8. (&48 (, ‘ : 8**, 38 : ‘ D2&;) 28?[84, 38 : ‘ ((&< ?`38 : ‘ D2&) 4 ‘ 8 (; 814R (, ‘ 4,) 48&; , 18 : &‘ ; 8, ‘ OO ’‘ P : , (383 ‘ (‘ , : A) 8C ‘ 142 : ‘ 8 (‘ = =2* ‘ &(188 &) 2 , (488 ‘ ; , ‘ *) , (48& ‘ 8 (‘ ; : ‘ *8&,) , ; : (‘ &82P, (488 ‘ ; ‘ q|) , ; 8183 ‘ ; , ‘ *) , (48& ‘ =) &, 3, (48A23 4, 348A23 &; ‘ 8 (9) &< 31) 8=4&‘ : (8&‘ , 4 38 (?2*&‘ ’ 1&483 ‘ *8&A8483 ‘ , 4) ?&483 ‘ 12 : ‘ 1*&) 8338 : ‘ &) 482 : ‘ , 4 : , ; 818 (&, ‘ ; 14) , ‘ : &?834) ‘ 5, ;) , ‘ B2&(8, (‘ 18 ’ , ‘ &=8, (38 ‘ 1 (38*8&) 8 ‘ , 4 =56381 ‘) ; 8 (&) 8 ‘ 8 (9) &31) 8=4&, ‘ , ?8&1‘ &8, 34&483 ‘ , 4 R ,) 8 ‘ B828 ; , ‘ &== (8A23 18 ’ , ‘ *) , (48 (‘ , 4 3,) ‘ &88 * : , ‘ : 8 (818 3,) ‘ E &((83 ‘ ; , ‘ 888; 83 ‘ 18 ’ , ‘ , 4 (4&) 8 ‘ =2A*81 ‘ *) , (48 (‘ (, 1‘ ((‘ 1 (38*8&) 8 ‘ 8 (9) &31) 8=4&, ‘ *(8348&(8338 : &, ‘ , ?8&1‘ &8134&483

2 : ‘ 5 1‘ 384 ‘ D2 ; ‘ : , (38A23 , *&=383 ‘ 1&23&‘ (((2**) 2 : ‘ 18 ’ 88 : 8 18 ’ 84&483 ‘ *) , (48&, ‘ D28 : &* ‘ ; 2148 1 (38*8 ‘ 5) 8348&(8338 : &, ‘ , ?8&, ‘ &8, 34&48 & ; ’ ,) 3&A&242) ‘ (, ‘ , ?8&‘ 32&‘ &8, 34&3 = 33, 4 32& : ‘ 8 (3483. ‘ 38 : & : ‘ 8 : =) , 38& : ‘ , 0, D28 ‘ D2& : ‘ 32&‘ 5) 8348&(8338 : &‘ &8, 34&3 9&184 =) ‘) , 12=,) &48 (, ‘ 328) , ? (8 , &= *84& (8 ‘ , &; , : ‘ ; (. 8348&(8338 : &‘ &8, 34&3 : ’ ,) 8* 5, *82 : ‘ : 8 (83 9*) , (48 (83 ‘ (((2 &D2, ‘ ==8; &‘ ’ 8 1, =,) 84 ‘ &*8&D2, ‘ 32&‘ 3= (4, ‘ 3, ‘ ; , ; 8; ,) 2 (4 M , 4 &; ’ ,) 4, (3 32&‘ 5) 8348&< (8338 : &‘ &8, 34&3 ‘ D2 ; ‘ 3, : =,) ‘ = =2*23 9*) , (48 (23 9284 ‘ , 34 , 4 3, : =,) ‘ 1) 84 32&, ‘ *(8348&(8338 : &, ‘ &8, 34&483 ‘ 32) 2 : D2, ‘ =) , ; , 1, 33 8 (: ‘ ; , ‘ ’ 48338 : 23 ‘ ’ *, (3 12 : ‘ , 83 ‘ =4 (24 ; , 1, 4 (8&?(&(8 : 2 : ‘ =) 8 (18=, : ‘ 1*, : , (48338 : , ‘ &?,) , ‘ , 4 128D88, ‘ 34, (;) , ‘ &(8 : 2 : ‘ 322 : ‘ ((‘ , 33, ‘ &*8, (&‘ 112=&) , ‘ 3, ; ‘ 32&‘) , 12=,) &) , ‘ M A8 (, ‘ , 34 D2 ; ‘ 32&‘ 5) 8348&(83.

38 : &' &8,34&3' ,O' =&8.4,' 2(&' ,4' 1*&)8338 : 8' '8)8' ; : 8(23' B82;&(4 (8883' E &(583 ; ,' ,3=21183' ; : 8(23' : 8(8123' &*;&33&)83' ; ,' 2383' 18',3' ,4' &; 1&48' 98),(48(8',4' 3=,14&A8*^3' '8)8')&(183123' 58*8==8' ; ,' &*)8A23',4' ,4)23' B828' ; ,' &== (8A23' 18',3' 98),(48(8' 4&(D2&:' 36(;818' ,4'=) 12)&4),3' ,O1,*3)2:' ; :8( )2:')8)2:'*8A,)4&483' ,4' ',O8**89,(' 8(34848&,' = =2*8' 98),(48(8',O' =&)4,' &*4,)&' ; , ', (,)2(4' &;' 8(9)&31)8=4&:'1 (',(48 (,:'M '8;,*81,4'

)8: ' ' &;',)4,23' =)&,9&4&' 32&' ,?8&' &8,34&3' D2 ;' :(8&' 1[(&,'*8&14,(23' 1 (4)&' 32&:' $,?8&:' &8,34&4,:' 9&14&' 32(4'92,)2(4' ?,34&' :&*' 1 (38*8 ' =,)32&3&' &1' :,42' ' ,4' D28&' D2&,' :,423' 1&23&' 9&14&' 3d(4' (2**8(3') A)83' 98):84&4,:' A48(,(4' (,1' 9&18,(48A23' 8:=(4&)8' ;,A,(4' :8(23D2,' (1,),'M ,4' D28&' ,23' 8(' 12823' :&(' 1);&' =)8(18=82:' 32(4' ,4' 12823' =)8(18=,3' 8=38' '81&)88' ,4' '81,:?,.'),(4,3' 32(4' =88338:&3' :83`)81);,3' &1' 1*,:,(48338:&3' :&(23' 32&3' ,2:'),D28),(48A23' = :?84' (,1' 128D2&:' &;' ,2:' ',(8,(48' 9),3' 1*&2;84'3,;' ; (&' :2 ,)&'1*,:1(48&:'&1' :83,)81);8&:'1 :=&)4842)'M ,4' D2 ;' 381' 8=38' =)8(18=,3' 9&1,),' ;,A,(4' 12:' 15)8348&( )2:' :(83' &148' ,)2:' ;,A,&4' ,33,' 8(34)2148' H 12:D(,' =)8(18=,3' ;11,&4' 3 *1).' 4,:'),8=2A*81&,' &1'*8A,)4&483' 12)&:'?,),),' ,4' 32A;84)2:' ,4' &:81 .')2:' ,4' 1 (9 ,;,)&4)2:'1 (1);8&:'8(',348?&),' 24'),?(8' 328' ,4' &:81)2:'248*84&3' ,4' *8A,)4&3' =,)3834j4' ,4' ,283' 34&423' 32A;84)2:' ,4' &:81)2:'8(?84,)' 3,)',42)'8**&,323'M 8;18)1' 32&' 5)8348&(8338:&' &8,34&3';,' 48338:8' 328' =2*8' 98),(48(8' =),18A23':4&' :(8&' &14&' ,4' =,)=,4)&4&' 1 (4)&' 32&:' 5 348&(8338:&:' &8,34&4,:' A*8'8 (8' 4)&;84M),;2184D2,';8142:'= =2*2)&' 9*),(48(2:'8(',' 34&4(',4' ?)&48&' 388&,' 5)8348&58338:\' &8,34&483'=) 24' ,4' 38124' ,)&4&(4,' ;8,4&' = 8.' =,4)V4&' 1 (4)&'3d~:' 8?8&:' &8,34&4,:

,1 (;' ' &;',)4,(3' 32&' 5)8348&(8338:&' &8,34&3' D2 ;' &) * 3' &?(23' 52823' 2)A83' 9284' =)8:23'),34&2)&4)' ,4' (:8(83' *),(48&1'8(' *)^(48&:' :24&4)' * 1)2:D2,' ,4' ==8;)2:' ,4' &)182:' ;&4)' :,(82:D2,' 1 (34)&14)' ,4' 4,:=*)2:' &*8D2)2:' 52823' 8(1*H48(' 2)A83' &,;8981&4)' ',)&,' &(14&,')2183',4' &*8&)2:'),*8D28&)2:'&1 :&.')d,4R4)2:' 4,:=* ' 3&(148' E &((83' ,4' &*883' *&)?84)'M ,4' D2 ;' 32&' 5)8348&(8338:&' &8,34&3' *8A,)4&483' 52823' 18'84&483'),34&2)&4)' =&34)' U (3,)'&4)' ,4' ;,9,(3)' ,4' 32&' A,(8?(84&4,' 9284' &1' ,48&:' :(82:' 46)&( )2:' 92?&4 9' M &;, ' D2 ;' :,)84' 8=3' 5)8348&(8338:23' ' ,O' &9 *23' 14&'23' :&8)' ,4' :&O8:2&' ;818' :,),&42)' =)&,3,)482:'& =) =2*' 98),(48(M 8;18)1' 1 (,5`)2(4'24' 8H=3' &) *23' ,4' 321113.' 3 ),3' 328' 3,:=,)'',4' :(8' 4,:= ),'=&4,9'=&4)8&,' 8* 34)&,' &1' =2*8' 8 ),(48(8' 424 )' =) 4,14 )' ;,9,(3 )' ,4' *8A,)4&483' ( 34)&,'1 (3,)'&4 )' &' `823' 46)V( )&)&' 92?&4)' &==,**`42)'M A4' 8( 8(4) 84' :8)8U)285' 9* 9,(48(U)2:' ,4' 8(' ,U92:' 8298&(,(4A' 3,:=,)' ( :8(,42)''=&4`)

=&4 &,' ,4 1 (3,)'&4)' ,4 =) 4,14)' (34)&,' *8A1)4&483' 1(:' 8=3,'
&) **883 32A' ',)A '),?8 '= **81,&42)'3,'9),'3, :=,)'1 (3,)'&4), :'52823'
*8A,)4&483' ,4 92?&4), :'468R&8 :)2 :' ,823;, : ' ,4 =&4), :'=&4)8&,
,)48 '1 (',(,)2(4 ' D2 ;' 18'84&3 83&)2 : ' ,4 &8O' 2(&12 :' ==8; '
,4 &)1,' 8A : (8'), : &(,&(4 8(' : &(8A23 ;814&,' ,?8&,' &8,34&483'
8H*&3D2,'),48(,),' = 3384 ; : : 84,' 32& 8 : =),38&),?(8 ,&= *84&(8'
82)83;8148 (,'4& : ,(' ; : 8(8 ' ,4 9)2148A23 : 8(83 9*),(48(83), : &.'
(,(48A23 38124 &(4,&M 98(84&' ',)3 ;8,4& 8 : =),34&' =) : 8384 =)&,9884&
,?8& &8,34&3 34&48 :' =)&,;814& : (8& ,4 38(?2*&'),34842,),'),=2A.'
d1&,'9*)1(48(&,' ',* ,823 3H(;8183' 3,2 36(;8183' : (8 ,O1,=48 (,C 3,2
8 : =,(3&)2 :' &*8D2&)2 :'),3484248 (,'), : 4& 3&*'83 82)8A23 &*8)2 :' M
=2 :' : (8A23 3283 : 2(848 (8A23' A : A&);83' 3=8(?&);83' : &33,)84883'
,4 8(34)2 : ,(483 D28A2312 : D2,' &;' 1 (3 *&48 (, :' ;8*,148338 : 8 ,4
' ;,' 48338 : 8 3 :' = =2*8 98),(48(8' ,* &;' ,823 5 ( ), : ' ,4 ;8?(84&4,)('
1 (3,96&(;& : ' 4 24 : (,3 8(4,**8?&(4' ' *2(4&4, :'),?8& :'8(' 8**83'
)=48(,(;83 ,33,' ;2(4&O&4 &;' 32&,' &8,34&483 M ,4 328 ,O,)184234 =,12.'
)84&4, :' ,4 1 : : ;84&4, :' ((' &24, :' &;' 98),(48(8 '= =2*8 ;,4)8.'
: ,(42 :' M ,4 D2 &;' 52(1',99,142 :' 8(41**8?&42)' 8 : =),38& 98(84&' 34&48 : '
= 34D2,' 2)A,' ,&= 984&(&' = 484&' 92,)84 32& ,?8& &8,34&3' ',* 1&3&'
D2 'D2 D2 : ; ' 32& &8,34&3 32=,)' 4&*8 '8 : =),38&),?(8 ,&= *84&(Q'
4)&(3,?,)84 3,2 1 : = 32,)84' 38',' =,)' =&1, : ' 38',' =,)' * 2?&3 8(;24H8&3
;2)2 :' &(2)2 :' &24 & : =*823' &24 D2 12 : D2,' &*83' : ; ' ,* ,48&8('
D2 1= : D2,' 1&23& ,&;, :' 32& &8,34&3 &A 4&*8&'),1,;,),4' &24 8(' ,&'
,33,' ;,38,)84 M ,4 38 &1118;,),4 8(;248&3 98,)8 A8,((82 : ' ,4 A)8348&(83.'
T38 : &:' 32&:' &8,34&4, :' &A 4&*8&'),1,;,),' (=' 8(4,**8?&42)' 98(84&'
8 : =),38& =,)' *82823=8 ;8),1,332 : ' ;28 &(48A23 ;81483 8(;24883 9&,4 : ('
;2 : : ; ' ;8,4& 32& A)8348&(8338 : & &8,34&3 ;2)&(4,';814 'A8,8 : 8 '8('
E4C& : ')D',)4&42)' &; ;814& :' 8 : =),38& :' ' ,4 D2 ;' 8(4,)8 : ' ;2)&(4,'
8148& 8 : =),38&' 98&D4 A8(&,' 1*&',3 ;814&,' 18'84&483 83&)2 : ' D2&)2 :'
2(& :'),48(,),';,A,&4 ;,=24&423 & ,?8& &8,34&4,'&*8& :'',)')',48 ,),'
;,A,&24 99818&*83')&8( )2 :' 9*),(48( )2 :' =)' &=,)8,(;83' ,4
14&2;,(;83 ;81483 =)4z3' 5=)83 ,4 :=;83 1 (32,483' ' ' 'T
' Z2b2P4=' D28& 18',3 =83&(8 8(' &;',(42 ;814&,' ,?8&,'H &8,34&483' ' .'
2,)2(4 =) 1&:&),'8(' *8A,)4&4, :' ,4 3,' ,)8=,),' & ;848=(,' 98),(48(&C
8(38?)8 8D2,' ,4 &((&,)2 :' ;1*,'8)2(4' :2*4&D2,' &*8&=,)=,4)&',)2(4
Q[28[9,)42)]' 1 (1);&42 :' ,4 &142 :' ,O48484' D2 ; :(8& D2&,' ;8,4& &14&
,4'?,34&=,)' ;814 3 83&(3' 4& :' 8(' 1 :2(8 D2& :' 8(' =&)4812*&)8' 92`.'
)2(4' 8(;2*?,A2(42)' &4DD&D F B99*844,(42)' 8=383 83&=83' ,4 ,O =2(,'
;8148' :8(8 98),(48(8'),:8442(4 &4D2,' 8(;2*?,(4' &A3D2,' ,3 D2 ;'
~*8D2 ;' ;&:(2 :' 8(' =,)3 (83 &24 8(' A (83 ,)2(C = 3384 8(9,))8 M ,4
(H5u* :(8=3 ,48& :' ;8,HC8 :8(8 98),(48(8 4)&=4&8A2(4 , 3 5 (,34,'
T8 [' 38 9)4,' 32=,)8 C8A23 4,:=)8A23 92,)8(4 &24 : 2*4842;8(,' 6,148?&C

*8 : (' &291' ?)&), ,;8(2 :' ==),338' ;8148' 8), (48(8' : ;,)&A48(4' ;814&' ,148?&*8&' 5&A84&' D2& 4&4,' * 1)& :' ,4' =,)3 (& : :' =) 24' ;81483' : 8(83' 9*), (48(83' *8A,),' '832 :' 92,)84' ,4' 1&32' D2' ;8148' : 8(8' 98), (48(8' A&1' ; ,' 1&23&'),A,**8 (83' =,)' , 3' 9&14 \' 8(('&), (4' &*8D28;' 1 (4)&' =,)3; (&3' ',* A (&' ;814)2 :' 83&( )& : ' ,O' (2(1'51,&4' ;814&,' ,?8&,' &8,34&48' =) '8; ,), ' =) 24' :&,' 1?8&,' &8,34&48' =*&12,)84

Z28(4' ',48& :' 1 (', (,)2(4' D2 ;' 18'84&3' ,)>&(&,' ,4' &)1,3' ;814&,' 18'84&483' ,4' ,)>&(8**&' ,4' &8RO' ,4' ==8;2 :' ,4)&,' &(14&,'), : &(,&(4' ,48& :' 8(' : &(8A23' ;814&,' ,?8&,' &8,34&483' ; : ((4,' ;814&'32&'8 : =),38&M 98)2148A23' 4& : ,(' 82)83;8148 (,' ; : 8(83' ,4' 8(34848&' ,)2(;, :' 8=383' : 8(83' 9*), (48(823'), : &(, (48A23' 4' D28&' &(2, (3,3' D2)2 :' ;81423' 58 8348&(8338 : 23' ,O' ,34' ; : 8(23' 32=), : 23' 9,18(: 4' : 2*4&.' 3,)'848&'&4D2,' A3,D28&' ,8;1 :' 8(' ;814&' 32&'8 : =),38&' D28'E&(2, (3,3' =)&,4, (;2(4'3,'5&A,),'823'8(' ;814&'18'84&4,' ,)>&(&,' ,4' ==8; ' ,4)&,' &(14&,' ;814)2 : D2,' ; : 8( )2 :' *), (48( )2 :' =)&,9&423' 5)8348&(.' 8338 : 23' ,O' ,34' =) 4,14)M ' *, (3' ,4' 12=8, (3'4 **,)' ;833, (38 (,3' ,4' ;831);8&3'D2&,' 32(4'8(4,)' ;814 3' *), (48(&3' ,4'E&(2, (3,3'=) 12)&A84' , 3'), ;21,),' &;' 1 (1);8& :' ,4' =&1, :' =,)' & : 81848& :' &24' =,)' 8(348.' 48& :' : (8 '8' ,4' '8 *, (48&' 32A*&483' ,4' 1&32' D2' ((' = 4,)84' ;814 3' &;' ;814&:' 1 (1);8& :' ,4' =&1, :' =,)' & : 81848& :'), ;21,), ' &24' =,)' 8(34848& :' 24' 32=)&' ;814&' 32&' ,?8&' &8,34&3' 34&48 :' 98(84&' ;814&'8 : < =),38&' ;814&3' &)1,3' 18'84&42 :' ,4' ==8;&' ;81483' : 8(83' 98), (48(83'),34842,4' 12 :' : (8A23' 3283' : 2(848 (8A23' A : A&);83' 3=8(?&);83' : &33,)84883' ,4' 8(34)2 :, (483' D28A2312 : D2,' : (8' ,O1,=48 (,' &24' 8 : =, (3&)2 :' &*8D2&)2 :'),34842 48 (,'), : 4&' 3&*'83' 82)8A23' &*8 (8 :'M ,4' 8 : =),38&' ;81&42)' ,33,' 98(84&' =) 24' 32=)&' 8(' &8*8812* ' 9&18, (4,' : , (.' 48 (, :' ; ,' 18'84&4,' 83&)2 :' ,4' ==8; ' 8A2 : 8' ;8142 :' ,34M ; ,1*&<)&(4,3' D2 ;' ;814&' ,?8&' &8,34&3' : (,3' 32=)&;814&3' &)1,3' 4&)(' 8< A2 : 8' ,4' 18'84&483' 83&)2 :' D2& :' ,4)&,' &(14&,' ,)>&(&,' ,4' ,)>&(.' 8**&,' ;2)&(4,' 8 : =),38&' =)&, ;814&'),48(,)' = 3384' 24' 32=)&' 3283' 4& : ,(' =) =)883' ,O=, (383

,O4' 1 (', (,)&(4' D2 ;' D281(: D2,' 1234 ;,3' &1' 1&34,**&(8' D28' ;2)&(4,' ;814&' 8 : =),38&' 988,)8(4' =) ' 4, : =),' = 3848' =,)' ;814& :' ,?8& :' &8,34&4, :' 8(' &)18A23' 32=)&;81483' ;,A,&(4' 8 : R&),' ,4' 3,' 8(' : (8' : ,*8)8' : ; ' ,4' 9) : &' D28A23' ;81483' : 8(83' 98), (48(83' '8;,A84 : '' A*8?&), ' 3,'), 3484242) 3' ;814&3' &)1,3' ,4' ==8;&' = =2* ' 98), (48(' 3,12(;2 :' D2 ;' 32=)&' =) : 8332 :' ,34' (858*D2,' =) '), 3484248 (,' 52823.' : ;8' =,484 : P 3' &'),= A*81&' 98), (48(&'Ю &1' ,48& :' 8 : R&),' ,4' =) : 844,),' ;,A,&(4' 3,' ((' ;&42) 3' ;814&3' &)1,3' ,4' ==8;&' &*8128' 3211,33)8' (838' =)823' 8=3,' 3211,33)' 38' ,' 3211,33),3' =) : 844&(4' ,4' 3,' A*8?, (4' ,4' 82), (4' 3,' : (8&' ;,' 52823 : ;8' &)18A23' ,4' ==8;83' ,4' ,&)2 :' ,4' ,)2 : P), 3484248 (,' A3,)'&42) 3' : ; ' ,4' 9) : &' =)&, ;81483

`=48 : ‘1 (‘,(,88 : 4‘ D2 ;‘ ;814&‘ 32&‘ ,?8&‘ &8,34&3‘ ;2)&(4,‘ ;814&‘ 32&‘ 8 : =),38&‘ = 3384),48 ,),‘ ;2 3‘ ;,=24&4 3‘ 8(‘ ;814&‘ 18‘84&4,‘ * .‘),(48&,‘ 3283‘ 4& : ,(‘ ,O=,(383‘ D28 ;,A,&(4 : (8&‘ 112),(48&‘ ;814&,‘ ,?8(,‘ &8,34&48 1 : 2(81&),‘ 12 : ‘ ;81483‘ : 8(83‘ 9*),(48(83‘ 6,* &*883‘ ,)2 : ‘ : &?834)&48A23‘ 32=,)‘ 5 1‘ ;,=24&483‘ ‘,* &*883‘ 12 : ‘ D28A23‘ *2,.‘ (884‘ 4&(D2& : ‘ 12 : ‘ A (83‘ ,4‘ ‘,)83‘ & : 8183‘ D28 = 4,)2(4 8(4)&),‘ ,4‘ 8(4,**8?,),‘ 8(‘ : (8A23‘ ,)2 : ‘1 (38*883‘M ,4‘ ((‘4)&14&A2(4‘ ,D2,‘1 (.‘ 1*2;,(4‘ &*8D2&‘1 (1)2,(48&‘ 34&42 : ‘ &24‘ (,? 18&‘ ;814&,‘ ,?8(,‘ &8,3.‘ 4&483‘),?( )2 : ‘ 32)2 : ‘ &24‘ 32&,‘ 8 : =),38&,‘ (838‘ ,83‘ ‘ 1&483‘ ,*8D2&‘ ‘,) ‘ (,? 18&‘ =)8‘ &4&‘ ‘,* =2A*81&‘ ;8148‘ 8),(48(8‘ = 3328‘4 1 (1*2;,),‘ :),‘ ,)2 : ‘3 *843‘ &A3D2,‘ , ‘D2 ;‘ 4,(,&(42)‘ ‘ 1&),‘ ;814 3‘ ;,=24&4 3‘ (838‘ ,83‘ ‘8;,&42)H‘ ,4‘5 1‘ ; : &(4,‘ ;814&‘ 8 : =),38&‘ 3812‘4 ;8142 : ‘ ,34

14&‘ ‘ 1 (‘,(,)2(4‘ D28&‘ ;2)&(4,‘ ;814&‘ 8 : =),38&‘ = 33,4‘)8*8‘ D2&,348‘ ‘8(4,)?,(4,3‘ &8P:)2 : ‘ ;814&,‘ ,?8(,‘ &8134&483‘ D2&3‘8(‘ ;81483‘ * 183‘),*8D2833,4‘ ,O‘2(&‘ ,4‘ 5&A84&(483‘8(‘ 8=383‘ D2 312 : D2,‘ ,O‘ &*8&‘M ,4‘ (,‘?,(4,3‘ ;814&,‘ ,?8(,‘ &8,34&483‘ : *,34,(4‘ &24‘ ;81483‘ &24‘ 9&1483‘ 5&A84&(4,3‘ ;8_4)2 : ‘ * 1)2 : M‘ D2 ;‘ ,&;,:‘ ,?8(,‘ &8,34&3 1 : .‘ : 844&4‘ &=84&(,2 : ‘8(‘ ;81483‘ &)18A23‘ 83&)& : ‘ 8A28(8‘ ,4)&,‘ &(14&,‘ ,4‘ ,)>&(&,‘ =) ‘ =&)48A23‘ ,4‘ 34&48 (8A23‘ ,)2(;,:‘ D28‘ ,884‘ ,823‘ * 12 : 4,(,(3‘?,(,)&*83‘8(‘* 183‘=)&,;81483‘D28= 4,)84‘ : &(,),‘8(‘18‘84&4,‘ *),(48(,‘&24‘ &*8A8‘=) 24‘ ,8‘ ‘8;,A842)8‘ 128‘1 : : 2(81&A8 : 4,)‘ : (8&‘ (,? 18&‘1 (1,)2,(48&‘34&42 : ‘ ,?8(,‘ &8,34&483‘ 24‘ =)823‘ ;8142 : ‘ ,34‘ ,4‘ = 4,)84‘1 : : 2(81&),‘ : (8&‘ (,? 18&‘1 (1,)2,(48&‘9&142 : ‘ ?2,))&,‘ =,)‘ & : 81848& : ‘ ,4‘ ((‘ =,)‘ 32A8,148 (,:‘M ,4‘5&A,A84‘ ;81423‘ &=84&(,23‘ ,?8(,‘ &8,34&483‘ = 4,34&4,:‘ =2(8,(;8‘ ;,*8(D2,(4,3‘ 5 : 8(,3‘ 32 3‘ :)&(4,3‘8(‘ ;81483‘18‘84&48A23‘1&34)83‘ ,4‘* 183

(‘1 (‘,(,)2(4‘ D2 ;‘ ;8I48‘ : 8(8‘ 98),(48(8‘ ;2)&(4,‘ ;814&‘ 8 : =),38&‘D2&,‘8(4,**8?&42)‘98(84&‘24‘32=)&‘ ((‘,*8?,(4‘38A8‘ &=84&(,(:‘ &8P: (&:‘?,(,9&*,:‘ (838‘=)8 : ‘9&14&‘1 **&48 (,‘12 : ‘ ,?8&‘ &8,34&4,‘ 24‘9&18*823‘5 1‘ : ; ‘5&A,&42)‘=) ‘ &=84&(,‘5 : ‘?)&423‘32&,‘ ,?8(,‘ &8,34&48

,18 : ‘‘ =)&,9&4&‘ ,?8&‘ &8,34&3‘ =) : 84484‘),34842,)&‘ ,4‘ ,O‘ (2(1‘),3484284‘ ;814‘ = =2*‘ 9*),(48(‘ : (8&‘ ,4‘ 38(?2*&‘ &*8&‘ 1&34)&‘ ==8;&‘ ‘d*&3‘* 1o4‘ ,4‘18‘84&4,3‘ =,)‘D2, : 12 : D2,‘5 ;8,‘= 338;,&(42)‘ D2&,‘D2 12 : D2,‘ : ; ‘92,)2(4‘ = 33,33&‘ =,)‘ ;8142 : ‘= =2*2 : ‘9*),(.‘ 48(2 : ‘ &(4,‘ ,823‘ &;‘,(42 : ‘8(‘ 4&*8&(8M 84&‘D2 ;‘ ;81423‘ = =2*23‘9* <),(48(&3‘8(‘8**83‘*8A,),‘ ; : 8(&)8‘ : (8 : ;& : D2,‘8(34848& : ‘ : 8(834)&),‘ : (,3D2,‘),;;8423‘ =,)18=,),‘ V1‘ ,& : (8&‘ 1234 ;8),‘ = 3384‘ 32 D2,‘ (242‘ &1‘ ‘ * (4&4,‘ *8A,),‘ ?2A,:&),‘ =) 24‘ &(4,&‘ = 4,)&4‘ 4‘ D28&‘ = 338A8*,‘ ,33,4‘ &*8D2&‘ ,O‘ ;81483‘ * 183‘),34842483‘ =,)‘5&(1‘=)&,3`(42 : ‘1 (1);8&:‘ (**,‘ A4,:=,)&),‘),?883‘ =)&,1,=483‘1 (‘,(,)2(4‘D2 ;‘ ;814&‘ ,?8&‘ &8,34&3‘ 5)8348&(8338 : &‘ ;,A,&4‘ 9&1,),‘ *84,)&3‘ =&4,(4,3

D28A2312 : D2,' * 183' &)18A23' ,4' 1~34883 ' ,4' ,)& :' = =2*83' ,4' 1 : 2(8.' 4&48A23' D28' 3, (' D2&,' ,)&(4' 32A;84&,= =2* '9*), (48(' &(4,' &; ', (42 :' 32&,' ,?8&8' &8,34&483' 24' ; ,A,&(4' 3,'),= (,),' 8(' ,823' 34&42' ,4' 82)83.' ;8148 (, ' =) 24' ,4' 38124' ,)&(4' &(4,' &; ', (42 :' ;814&,' 32&,' ,?8&,' &8,< 34&483' 4' 1&32' D2 ' 3,' (('),= 32,)8(4' ,4' ((' &11,=4&' ,)8(4' 99818&*,3' 9*), (48(3' 42(1' *81,&4' : 8(83' 9*), (48(83' '8' ,48& :' & ;4)&14&' 1 : =,*.' *,),' 52823 : ;8'), (84, (4,3' &;' =&), (;2 :' *84,)83' 32&,' 5)8348&(8338 : &,' ,?8&,' &8,34&483M =) : 844,23' ,48& :' 32&' ,?8&' &8 34&3' =)&,34&),' ;81483' : 8(83' 9*), (48(83' : (,' &2O8*82 :' 38A8' = 338A8*,

(;`18 : ' =) : 83,)2(4' =)&,9&48' 36(;818' ,48& :'), 34842483' 32=)&.' ;81483' &)18A23' ,4' ==8;83' D2 ;' D2&(; 12 : D2,' ,?8&' &8,34&3' =)&,;814&' ',**14'), ;8),' 8(' B&**8& :' 12 :' ,O,)1842' 32 ' ',* ,O' B&**8&), ;d.,' &;' ;814& :' 8 : =),38& :'),?(8' ,&= *84&(8' 4)&;,),' 38A8' =&332 : ' ,4' '8142&*8& :' 3283' 4& : ,(' 8=3823' ,?8&,' &8,34&483' ,O=,(383

2 ;,18 : ' =) : 8448' ,?8&' &8,34&3' =,)' 3,' ,4' 3211,33),3' 32 3' 9*), (48(&:.' 2)A, :' ,4' 9*), (48(2 :' = =2*2 : ' ,823D2,' ; : 8(82 :' 8(' =,8=,422 :' =) 4,?,)`' ;,9,(;,),' ,4' & : =*8&),M : (82 : D2,' & : 81)2 :' ,823' & : 812 :' ,4' A,(8' *2 :' 8(8 : 81)2 : D2,' 8(8 : 812 :' ,33,M ,4' D2 ;' 8(' D28A2312 : D2,' *8?83' ,4' 9 ,;,)8A23' 12 :' D28A2312 : D2,'),?8A23' =)8(18=8A23' ;218A23' : &)158 (8A23' 1 : 848A23' 1 : 2(84&48A23' ,4'),.' A23=2A*8183' 98,(;83' ,&)(' ,4' ,2 :' 1 : =),5,(;,4M &1' ,48& :' 12 :' 8(8 : 8183' 3283' D28A2312 : D2,' ,4' : &O88(,' 12 :' E&(2,(38A23' D2 (8 :' =)&,9&4&' ,?8&' &8,34&3' 32=),: 83' ,34' ; : 8(23' =&1, :' =,)=,42& :' =) 12)&A84' =) 24' 32=)&' ;8142 :' ,34M 24' 4&(;, :' = 3384' ;814&' 9*), (48(&'),3=2A*81&' ,4' ,823' = =2*23' : (,3D2,' ,823' 32A;848' 424,' ,4' *8A,),' (&'8?&),' ,4' ,)2 :' : ,)1,3' ,4' A (&' D2 ' ' *2,)8(4' =,)' 4,(& :' ,4' =,)' : &),' 8),' ;,',58' ,4' (&'8?&)8' 9&1,),.' ,4' ,' 1 (',)3 ' ;8148' : 8(8' 9*), (48(8' =) : 8442(4' 5&A,),' & : 81 3' ;814&,' ,?8&,' &8,34&483' =) ' & : 8183' ,4' 8(8 : 81 3' =) ' 8(8 : 8183' ,4' ((' 9&1,),' &*8D2& :' *8?& :' 3,2' 1 (.' 9 ,;,)&48 (, :' 12 :' 8(8 : 8183' ;814&,' ,?8&,' &8,34&483

`18 : ' 4,)48 ' =) : 8448' ;814&' ,?8&' &8,34&3' 4&(D2& :' ', : ' =&34 )' 1 (3,)'&4 )' 424 )' &1' ;,9,(3 )' ,4' =) 4,14 )' ,4' =,)=,4223' =&4,)' ( 34)&,' =&4)8&,' 1 (1,;,)`' ,4' ,O' (2(1' 1 (1,;84' : (8A23' *),(< 48(83' ,4' ,)2 :' 32A;8483' 4& :' =)&,3,(48A23' D2& : J 9;42)83' =*,(2 : ' *8A,)2 :' ,4' =,)=,422 :' 3&*'2)&' 1 (;2142)2H 84&' D2 ;' *8A,),' = 33284' (2(1' ,4' 8(' 9242 : : ' 8(' D28A2312 : D2,' 32,' ,?8&,' &8,34&483'),?(83' ;21&48A23' 1 : 84&48A23' '8**83' 1&34)83' ==8;83' : &)158 (&48A23' ,4' =)8(18=&48A23' 4& :' &1D2838483' D2& :' &HD&8),(;83' 424,' ,4' *8A,),' 3,:,* ,4' =*288,3' 8),' ,4'),;8),' 12 :' ,)2 :' : ,)18A23' : ,)1&(4883' ,4'),A23' D28A2312 : D2,' ,4' =&((83' 3,)8183' ,4' &2),83M ,4' : ,)1&)8' ,4' : ,)1&)8' 9&1,),' ,4' (: 8(&' ;,A84)2 :' 4& :' =)&,3,(48&' D2& :' 9242)&' ,O8?,),M),3D2,' ,4' : ,)1,3' ,)2 :' 1282312 : D2,' 3=,18,8' : &4,)8,8' ,4' D2&*84&483

,O834&(4' ,48& :' D2&,' &;' =)&,3,(3' 4& :' 8(' ;814 '),?(' ,&= *84&(' D2&)& &*8A8' ,O8342(4' 6,* D2&,' 8(' 9&42 : :' ,O834,(4' =)4&),' ,4' ,O=)< 4&),' ,4' =)4&)8 ,4' ,O=)4&)8 9881,) ' 4& :' =,)' 4,))& :' D2& :' =,)' : &),'M 84& D2 ;' *) (48( )2 :' (&' 8?8&' ?&**81&' ,33,' 8(4,**8?&(42)' ,4' 4&(D2& :' ',)8 ,4' (&42)&*,3' B&**8 24&(42)' ,4' 9)28 = 33284' D28A2312 : D2,' B&** <)2 :' 8 : : 2(84&48A23' ,4' =)8' 8*,?883' =) 24' 5&14,(23' 1 (32,',)2(4' ,4' = 33284' ,48&)&' 8(' D2 12 : D2,' * 1 ' 4& :' &1D28384 ' D2& :' &1D28),(; ' =,)' ;814& :' 32& :' ,?8& :' &8,34&4, : ' 1 (4)&1423' , :=48 (2 :' ',(;8.' 48 (2 :' =,) : 24&48 (2 :' , : =584, 481&)8 3' ,4' D(&312 : D2,' A*8?&.' 48 (,3' 9&1,),',4' 1 (4)&5,),'M A (&' : A8*8&' 1&34)&D2,',4' 82)83;848 (,3' &1D28),),' ',(;8),D2,' ,4' ; (&),' = 33284'M &1' ,48& :' 8(' : (8A23' =)&,.' ;81483' * 83' 4,34&*8' 1 ;818**&)8' ,4' 1&23&' :)483' ,4' 8(4,)' '8' 3' ; (&),' =) ' ,)2 :' *8A84 ' ' *2(4&483' 8(' =,)=,422 :'M 84&' D2 ;' 8('A (83' 8A8;2 :' ,O834,(48A23' 3211,;&42)' ,83' 3,12(;2 :' 9) : & :' ,4' ;83= 3848 (, :' 34&42.' 4)2 :' 9*),(48( )2 :'' ,4' D2 &;' A28,' ,99,142 :' =) : 8448' ,48& :' ;8,4&' ,?8&' &8,34&3' *84,)&3' =&4,(4,3' (&42)&*84&483' ;&),' =) ' *8A84 ' ' *2(< 4&483' =,4,(483' ,4' = 33284' 2A8D2,' ,48& :' A,(,9818&' ,4' ;8?(84&4,3',11*,.' 38&3481&3' D2&312 : D2,' A48(,),' &1' 38' ',)8' ,4' (&42)&*,3' B&**8' (&48' ,33,(4' ,4' D2 3' 8(4,)' B&** 3' 32 3' ,O' (2(1' ;8,4&' ,?8&' &8,34&3' 1 : : 2(,)&4' ,4' 1 : : 2(,)8 '2*4' ;,' =*,(842;8(,' 32&,' 5)8348&(.' 8338 : &,'; : 8(81&,' = 4,34&483' =) : 844,23' ,48& :' ;8,4&' ,?8&' &8,34&3' 38' 8=83' : 8(83' 9*),(48(83' '8;,A842)' ,4' =*&1,A84' : (8&' =)& ;8148' ,4' 8(9)&31)8=4&' 8(' : (8A23' =&8;&:,(4)2 :' 1 :.883' 1 (98) : &)8 9&1,)1' &1' =2A*818' A&8 : 8)8 =,)' : (8&' 32V,' &8,34&483'),?(&' ,4'* 1&' D2&112 : D2,' ,4'*84,)&3' =&4,(4,3' 128D2,' 9&1,), : &O8 : ,' 24' (42 :' 384' : (8A23' 3&83' 32A;8483' ;,' =*,(842;8(,' = 4,34&483' 32&,' *),(48(3' ,4' ,)2 :' 32A< ;84 3' ',) ' (&42)&*,3' B&** 3' ,9 ,14 3' ,33,

,18 : 'D2&)4'' '2*4' ;8,4&' ,?8&' &8,34&3'8(' 38?(2 :'1'8;,(48)83' =)&,9&4&,'1 (3,)'&48 (83'424&:8(83'=) 4,148 (83',4' &:=*8&48=(83',4'24' D28A2312 : D2,'384' (42 :' ,4' : &(89,342 : 'D2 ;' =&4,)' 52823' =&4)8&,' 6,)23' ,4' : &(89,3423'1 (3,)'&4)' ,4'*A,)4&483' 52823' &:=*8&4)',O834,4' ,4'D2)2 : ,2 : D2,' =,)=,4223' 46)&( )2 :' 92?&4)' =) 24'328' =)&,;,.' 1,33),3' 3, :=,)' 92,)8(4'M ,4' &;'=,)=,42&:'),& :, :)8&:';,' ,823'8(' 5&(1' 2)A,:' 9,*818338 : ' &;',(42' ,4' ;'),34&2)&4&' *8A,84&4,M' D2 ;' ;8,4&'),3=2A*81&' 98),(48(&' = 3384'8(' =)483' 2)A82 :' 18'84&42 :' '8**&.')2 :' 1&34))2 :' ==8;)2 :' &) 82 :' =&*&48)2 :' (&'82 :' A8), :82 :' 4)9), :82 :' 1&) ',**&)2 :K' ,4'D2&)2 : ,2 : D2,' &*8&)2 :'D2&*84&42 :' (&.' '8?8)2 :' ,48& :' =,)' , 3' &A' & 883' (*8?8&4)2 :' 38',' 1 (;214)2 :' ;,9,8 ,' &9*8?,),' ,4' =)4&),' ,4' &998?8' ;,9,))8' ,4' =)4&)Q 9&1,),' &) :&' ',O8**&' ,4' A&(;,)8&3H D2)2 :' 3,2'D2&)2 :' 1& :=23'384' &>>2(,23' *8*883' ?8&**83'38',' 1) 1,83' 3,2' &2),83' 3, :8(&423' 12 :' A&(;&' 312*=4&' ',* =8,4V 3,2'),1&:&4&'8('D2&'31)8=4&'384' '*84,)83' &2),83

,18 : ' D28(4 ' D28&' ;814&' ,?8&' 8 : =),38&' 1, ;84' &;' 1 : : 2(,' 1 : : ;2 : ' &,' ,48& : ' =) ' ;814&,' 1 (3,)'&48 (83' *8A,)4&483' : 2 ,),' =) : 8442(4' =)&,9&48' 6(;818' (: 8(,' D2 ' 32=)&' 8(' &2O8*82 : ' =)&,9&48' 5)8348&(8338 : 8' ,?83' &;'),12=,)&(;2 : '322 : '),?(2 : ' ,&= *84&(2 : ' ,O' ,)2 : ' : ,)&' *8A,)&*84&4,' ; (&),' ,4' 3 *',),' ;814 ' *8)8348&(8338 : ' : 8(' ,?8' 3,(' 1823' *,?8=48 : ' =) 12)&4)8' 32 : : & : ' ,4' D2&(484&.' 4, : ' 9*),( )2 : ' 1,(42 : ' '8?8248' : 8**82 : ' & : 8' ,4' 8(' & : . ' *&)?)2 : ' 4, : OH 88A23' ,4' 4,) : 8(83' 8(98R&31)8=483'M '8;,*8184' D2&;)&?8(4&' : 8**8&' 8(9)&' D28(;,18 : ' ;8,3' =) O8 : ,'9z84 : 3' D28(D2&?8(4&' : 8**8&' =,)'4 4 : ' : ,(3, : ' : &)488'H]) O8 : ,'9884 : 8' ,4' 4)8?8(4&' : 8**8&' =,)'4 42 : ' : ,(3, : ' 82(88' =) O8 : ,'9242)8

,18 : ' 3,34 ' ' =)&,9&48' 6(;818' =),18A23' 5)8348&(8338 : &,' ,?8(,' &8,34&483' : 48' D28' A' 32& : ' 1*, : ,(48& : ' 5 1' =,4884' =) : 83,)2(4'),' 1&),'4&?*8& : ' 3,2' =)&, : 82 : ' D2 ;' ;8148' ,)2 : ' =)8(18=&*,3' =) < : 83,)2(4' 8(4,)9818,(48' ,4)2 : ' ;,' ,;8183' 3,2' ,8' D28 8=32 : '1&=,),4' ,4' '8' 2 : ' 4)&;^),4' ;81483' : 8(83' 9*),(48(83H' ,4' 84&' ,O' (2(1' ;814& : ' 4&?*8& : ' 3,2' =)&, : 82 : '),' 1&',(: 4' ,4' =) : 83,)2(4' ,48& : ' A&((888' 9&1,),' ;814& : '),' 1&48 (, : ' =,)' =2A*812 : ' =)&,, (, : ' 8(' 1z'84&4,' 8),(48(, ' ,4' =,)'* 1&' =2AA*81&' ,4' 1 (32,4&' ;814&,' 18'84&483

,18 : ' 3`=48 : ' ' D28&' ;81423' ,4)23' ;,' ,;8183' 9284' 9&1423' ,4' ;,1*&)&423')&A,**23' ;814&,' 18'84&483' *),(48&,' ,O' D2&'),A,**8 (,' = 4,)&8' 8 : =2(,' 99,(;8' ,4' : (8&' ,823' A (&' 1 (9831&A&(42)' ,4' ,)&(4' 8=3 ' 82),' ,4' 3,12(;2 : '9) : & : ' 34&424)2 : ' ;814&,' 18'84&483' 1 (9831&4&'M : 48' ,48& : ' =),18A23' =)&,9&4&,' 5)8348&(8338 : &,' ,?8(,' &8,34&483' D2&,' : (8A23'8(;2*?,)8';,38;,)&4' =) : 83,)2(4' =)&,9&48' 6(;818';814& : ' = ,(& : '),A,**8 (83' ,4' : (8&' D2&,' 3,D22(42)' 52823 : ;8'),A,**8 (,' :),' 1&),' ,4' ,O' (2(1' 84&'),' 1&(4' ,4. 9&1,),' ,4' 12)&),' D2 ;' =,)' (.' 3 8&' = =2*8' ,4' 1 : 2(83' *),(48&,' ,4' : (8' '&*8;8)8' : ; ' =) 24' ;,' 8 : P,'),D28)842)' ;8,4&'),' 1&48 ' 1 (98) : &A842)

,18 : ' 14&' ' ' =) : 83,)2(4' ;8148' 6(;818' D2 ;' ;8148' ,)2 : ' =)8(<18=&*,3' ((' 8 : CH (,(4' &*8& : ' = ,(& : ' ;8,4&' ,4) ' ;,' ,;8183' =)&' ;,*81483' 23D2,' (2(1' =,)=,4)&483' D2&: ' = ,(& : '),*,?&48 (83' 3,2' =) .' 31)8=48 (83'M (8' D2&' = ,(&(2** ' : ; ' ',(84' 1 (9831&48 ' A ( )2 : ' 8=3 ' ,4) ' 3,)'&(4,'),*,?&48 (, : ' 3,2' =) 31)8=48 (, : ' ' D2&,'),*,?&483' 381' ;,A,&4' ,33,' 8(' ,99,1483' '8;,*81,4' D2 ;' ;81423' ,4)23' ;,' ,;8183' ((' ;,A,&4' &;5&,),),' 1 (98(8A23' 4,))84)88' 98),(48(8' =,)' 1,(42 : ' : 8*8&)8&' 32A' = ,(&' 8(' D2& : ' 8(12)32(4' 1 (98(&48' 3,2'),*,?&48' 98),(48(8' ;,' &((' %%% ' (838' ,' ,O834,(48' 12 : ' 5)8348&(8338 : &' ,?8&' &8,34&49,'M D2 ' 1&32' = 3384' =,) : &(,),' ,4' :)&)8' (8' D2 12(D2,' * 1 ' ,)84' =)&,9&4&' ,?8&' &8,34&3' ,O4)&' 4&)(,(' 4,))84)82 : ' 98),(48(2 : ' ' 5 1' ,48& : ' ,O1,=4 ' ,4' 3&*' ' D2 ;' 38' ;81423' ,4)23' ;,' ,;8183' =) ' 2(&' 81,' 4&(42 : ' '8,4' =,)' 4,))84)82 : ' 98),(48(2 : ' ,4' =,)' ,&)(' '8& : ' =,)

D2& : ' 8=3a : ' ;21,(91' : &>>,)823' ,4' 1 8& : 833& 823' : 8( )2 : ' 9*),(.' 48( )2 : ' 24' 8(',(8&4' =)&,9&4& : ' ,?8& : ' &8,34&4, : ' ,4' 12 : ' ,&' 384' =,)' 5 1' ((' 8(4,**8?&42)')&=833,' 1 (98(8&' ,4' 8(18;,33,' 8(' = ,(& : ' (8' D2& : ' 8(18;,A&(4' (2(=,(4,3' 1 (98(8&' ,4'),*,?&48' ;,'&(('
%%%
,18 : ' ((' ' =) : 84484' ;8,4&' ,?8&' &8,34&3' (2**& : '),D2838.' 48 (, : ' 9&1,),' ;81483' : 8(83' 9*),(48(83' ;,' *8A,)&(; ' ;8142 : ' ,4)& : ' ;,' ,;8183' &' ;8,4&'),*,?&48 (,' ;,' D2&' 32=)&' (838' ,*&=383' D2&42)' : ,(38A23' &A' 5 ;8,' *&=383' ',)' ;81483' D2&42)' : ,(38A23' '2*4' ;8,4&' ,?8&' &8,34&3' 38A8' *81,),') ?&),' ;814 3' : 8(3' 98U),(48(3' =)U *8A,)&48 (,' =)&,;814&' D2 ' 1&32' ;8148' : 8(8' 98),(48(8' 4,(,&(42)' = (,),' &;' =&)4842 : ' 8(4,)' 8=3 3' : 8(3',4' **,?8&',4' ,) : (' (< 38*8&' D2&,' 32(4' (,1,33&)8&' =) ' ,823'),34842 48 (,' ,4' ,12(;2 : ' 9) : & : ' 34&424)2 : ' ;814&,' 18'84&483' ,4' (' &*84,)' ' ,4' 38' 92,)84' ,4' =) 24' 82,)84' A4,(42 : ' 8=32 : ' ,4)& : ' ;,A,),'),34842z' 3,2' *8A,)&48' &' ;8,4&'),*,< ?&48 (,' 42(,' 384' *81842 : ' ;814 ' ,4) ' 8 : =2(,')V;8),' &;' ;814& : ' 18'84&4, : ' *),(48&,' ,4' ,823' 4, : 4)82 : ' M 328' &24^ : ' ((' 9&,)84' A< 4,(42 : ' 42(,' ,8' ((' *81,&4'),;8),M D28&' 8(' ,99,142' =)&,9&4&' *8)83.' 48&(8338 : &' ,?8&' &8,34&3' 4&(D2& : ' 1 (3,)'&488O' 52 : 83'),8=2A*81&,' 9*),(48(&,' (8*88** &*82;' '2*4' (,1' D2&,)84' (838' 24' = =2*23' 98U),(482 : ' 1 (3,)),42)' (8' 32&' ;8?(84&4,' ,4' *8A`)4&4,' ,4' 8=32 : ' &2?,),
8?`38 : ' 1 (',(,)2(4' D2 ;' ;,A,&4' 4,'U1&),' ,4' 84&' ,O' (2(1' ;8148' 36(;818'),' 1&(4' 4&?*8& : ' 8 : = 384& : ' ,',),(;8338 : ' &);8(&*8' ,4' E2*8&(' ;,' ,;8183' ;,' 118;,(;U ,3' ',* ;&(;' , 3' '8' 3' M &1' ,48& : ' = ,(& : '),A,**8 (83' ;, : =4&' 4& : ,(' 1 (9831&48 (,'A ((8 : ' (838' =)8 : ' 3&4839&14 ' 1),;84)8A23' ;8148' `4)8' ;,' ,;8183' D28A23,:(D2,' (: 8.' (8A23' 8=3,' ,4)&3' ,3314' A*8?&424z' &1' ,48& : ' 1),;84)8A23' =)U=)883' ',* 5&,),;84&)883' 8=3)2 : ' ; : 8(8' &);8(&*83' ,4' E2*8&(8M ',* D28' ,83' ',*' &*8128' ,)& : ' 1),;8;,)284' 8=383' 4& : ,(' ; : 8(' &);8(&*8' ,4' E2*8&('),:&(,(48A23' 8('),*,?&48 (,' =,)' 1,(421V : 8*8&)8&' &A' 2)A,'98),(48(&' 8(' : (8A23',4' =,)' : (8&' =) 24' ;,' ,4) ' ,)2 : ' 98 &4),' ;83= 3842 : ' ,34
8?`38 : ' =)8 : ' 1 (',(,)2(4' D2 ;' 384' *81842 : ' ;U : 8(&, *=5 (.' 38(&,' 20 88' ;8148' ,4)8' ;,' ,;8183'),;8),' 8(' ; : 2 : ' 5&A84&48 (83' I;8148' ,4)8' ,4' 8(' 8**&' 5&A84&),' &A3D2,' 4& : ,(' =),82;818 ' &*8D2 ' 1),;84)& : ' ;8148' V4)8' ;,' ,;8183
8?`38 : ' 3,12(;' 1 (',(,)2(4M' D2 ;' ;,' A (83' ;8148' ,4)8' ;,' ,;8183' ;,A,&4' ;,' =)&,3^(48' 3 C8398,)8' ;814&,' ; : 8(&,' *=5 (38(&,' 20)8' ;8148' ,4)8' ;,' ; 4,'8=382V ; : 8(&,' *=5 (38(&,
8?`38 : '4,)48 '1 (',(,)2(4' D2 ;'98&4',4'98,)8' ;,A,&4'8(',(4&)82 : ' ;,'A (83' : A8*8A23' ;8148' ,4)8' ,4' D2 ;' 8=3&' A (&' ;,= (&(42)' =,(,3' ;2 3' : ,)1&4),3' 8; (, 3' M 2(2 : ' '8;,*81,4' ,*8?,(;2 : ' =,)' 8=3& : ' ; : 8(&: ' *=5 (38(&: ' ,4' &*82 : ' =,)' ; : 8(3')8),3' 9*),(48(3M

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D28 ,*,148),48(,&(4 52823:C;8 AU(& 8(1&=383 38 8A8;,:),=(8 = 4,)2(4',* &*8A8 8(* 1 424 ,4 1*&(;&(42) 32A 1*&'8A23 D2&(8:2(&:),48(,&4 ;814& ; :8(& *=5 (38(&' &*8&:6,)' ;8148 ; :8(8)8),3 5 1 =&14 D2 ;38 8(9)& 4)8:,34),1),;84),3 ,O834,(4,3 8(4,))84)83 9*),(48(,4 8(9)& 3,:,34),1),;84),3 ,O834,(4,3 ,O4)&4,:4)82:9*),(48(2:,)2:8(;818 1 :=,4,(48 = 33,O,)284 =,48.48 (,3 ,)2:=,)D2&3 &==&),(4 =,4848 (,3 ,)2:4)&(31,(;,)'&*),:52823: ;8 A ( )2:: A8*82:42(1 ;814& A (&),:&(,&(4 =,(,3 ;814 3 ;,= 384&)8 3 =) 3&4839&18,(; ;81483 1),;84)8A23 ;,,)2:1),;8483*,?8=48:,=) A&(;83 38 ',) ((',O1,;,),(4 '&*),:;814)2: A ( )2: 42(1 4&(42:=))&4& 52823: ;8 ,),;84)2:),:&(,&(4 =,(,3 ;814 3 ;,= 384&)8 3 =) 3&4839&18,(; 24 32=)&M),38;22:',)),34842&42) ;814&,20)8 5&A,(48 :&(;&42:*,?8=.48:2:&A 8=3 ,4) ,4 &98R&4)8A23 3283 3&*' 4&:,(8:P,&*8)2:,),;84)2:((=,4,(482:8(9)& ;814 3 4`):8(3

8?`38: D2&)4 1 (',(,)2(4M D2 ;*81,&4 ;814 ; :8(&);8(&*8;, ,;8183=,)18=,),9) 81423 D2)2:12:D2,A,(,9818)2:32)2:

8?`38: D28(4 1 (',(,)2(4 D2 ;;81423 ,4)23 ;, , ;8183',* ;8148 328 9)&4),3 ((= 33284 ;,1*&)&8 ;,A84),3 &*812823 =,)3 (&,1 **,?88 3 18,4&483 :&?834)&423',* 2(8',)384&483 (838 9&148 184&48 (,&;; :2: ,)2:3 *84&,5&A84&48 (83 8(18'84&4, *),(48&,M D28 = 33284 =,)=) 12)&4),:1 :=&),),,4 3,;,9,(;,),,4 :(8& ,)2:82)& ;,;21,),,4 &**,?&),

8?`38: 3,O4 1 (',(,)2(4 D2 ;98*823 :&312*23 ;8148 ,4)8 ;,, ;8183 = 3384 *),(48&:),;8),,4 ,2:;8,4& ; :8(& *=5 (38(&,823 :&4),:)&*8 34&),,4 &*8:,(4&)8 &A3D2,&*8D2 =)&,8(;818

8?`38: 3`=48: 1 (',(,)2(4 D2 ;;814& ; :8(& *=5 (38(&= 3384),48(,),D2 312:D2,32 3 1 (32,4 3 3,)'84),3;2:: ;((= 3384 :844,),&;,4)2:,823 '8)2:(838 ;2 3 D2 3 4&:,(;,A,&4(:8(&),Z2&, :(8& ,4 38(?2*& 32=)&31)8=4&=)&,9&4& 5 3.48&(8338:& ,?8& &8,34&3 32A ',)A ,4 ;;),?8& &44,(;,),,4 A3,)'&),=) :8384 32A A*8?&48 (,328 ,432)2:5&,),;2:,4 3211,3.3)2: ,4 A ( )2:=)&,3,(482: ,4 9242))2:M ,4 =)&,9&48 36(;818=) :83,)2(4 &1 ,48&:& ;,*&48 (,: :,8)&(18318 (4&)*8 =2A*818 8(9)&31)8=48 8:&',)2(4 &;3&(14& ,8 ,'&(?,*8& 31)8=42)83 1)=)&*84,): &(2 4&1483 =)&,;814& :(8& ,4 38(?2*& ,4 &44,(;,),,4 A3,)'&8P,32A A*8?&48 (,;814)2:32)2:=)8(18=&*82: ,4 ;8148 = =2*8 98),(48(8 ,4 ,823 A ( )2:=)&,3,(482: ,4 9242) 82:'') ?&(4,3=)&,9&4&,=&)4,3:,')&v(18312:8&:;8142: ,4 8(9)&31)8=42: (4&)82: 24 ;,=)&,.;81483 =2A*812:1 (981,),:; 12:,(42:2(2:3,2 =*2)&

$ 88 ' 945,' &*&>> ' 2AA*81 '88 M - ¸ 0 $2 $/ ' %# 8' "&!! #'

AA 4' [45,]' 9' &**&: A) 3&' A,5,&;,;'z'
-
A;81&48 (' 9'&245)846' A6'4*8,' 8?( )6'88'
#
A;81&48 (' 9'45,'?28*;3' 9'45,' 8 :=8'*8'
#
A3,(1,' 9',D2&')8?543'8(' *),(1,'888'
--N
A3,(1,' 9' 4&*8&(83:'8(' ,;83,6&' 4&*6'
8''#NN
A3,(1,' 9'=2A*81''8)42,'8(' *),(1,'88'-
11,338 (' 9' 5&)*,3 '8''! N
11,338 (' 9'4) =34' *),(1,'88'
118&82 *8P3'*,44,)'4 ' 3: ';,P ,;818'
8(4,)1,=4,;'888' N 'M 583' &)),34' 4)<
42),'&(;',O8*,' #
11 ==8&4)8'(&:,.'8''
1123&48 (' &?&8(34' B8 '&((8 :A8'88'
# #
1123&48 (' 9'45,' 4)82:'8)&4,' &?&8(34'
45,8)'&;',)3&)8,3'88'#
1123&48 (' 9' &*',3*) ';,P ,;818'88'
"N
1123&48 (3'&(;'1 (;,:(&48 (3'8(' * <
),(1,'88' 1
;¸:&)8 8(32*4,;' A6' (,' 9'45,':) " '
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;: (848 (3'8(' *),(1,'88' 'M 45,8)'
:,&(8(?'&(;' =,)&48 (' #
;)8&(' 9' 4),154',*,14,;' =,'8''' 'M '
583'38:=*,'5&A843'8''
;'&(1,' 9' *),(1,'4 7&);3';,3= 483:'
888' -
;'&(4&?,3' 4' *),(1,' 9' = 33,338(?'
,?5)(' 88'-" ' T
99&8)3' 9' :A&);6'8' '')=) ?),33' 9'
&44,' 831 (48'&(;' &(,';,**&' 1&*&'
#
?),,:,(4',(4,),;'8(4'A,47,,(')&(1,'
&(;' *),(1,'8''#N
?),,:,(4'A,47,,(' ,()6' 9' 20,:A 2)?
&(;'45,' *),(48(,3'88' #-

>366)6.1',% 4=8'1,' =*336.963'1,' 2,B
36.:6',.'%*2Z8).6=1;'4+'
?),,:,(4'A,47,,(' ,)2?8&' 8,(&'&(;'
83&'88'
?24 ')' &7@7 ;' ,(?&?,;'A6' * <
),(1,'88' #N!'M 83' ;,3=&415,;'4 ' <
*?(&'88' #NN.
8;'?8',(' A6'45,' 8?( )6'4'45,' ,?&4,
88' "N
0'#%$,'.#.(' # $ ' " +' '
D
2 -2 $$ # ##%$,'& 88' " ' - #5
R ' >
2E631'%8)42,';m1<61'E8.4=<69'44' Y[
A,)48' 8(184,3'45,' =, =,' &?&8(34'45,'
8?( )6'88'
*A8>>8'9&:8*6' [45,]' 88' 'M 45,8)'8(<
9*2,(1,' 'M H,&* 236' 9'45,' $8118' '
&3';,?*8 *A8>>8'),: (34)&4,3' 7845'
&*&4,34&'88'#!!'M 583';,&45'88' N'M
8(1),&38(?'8(9*2,(1,'7845'45,8)'=&)46
':'O "#" - ' 288' "" ++ +
$,'A $ #(! ' '9 'K 0++#'$#
&#.' $ 'H ' '9 :'K (" $1 +
+ !# " 0++#'$# $,' &#. ' '99:'K
D2&*896' ,)(&);'B2&;&?(8 9)' B (<
9&* (8,),'888' ! M' 8?( )6'5 348*,'4'
45,' ,;818' ¸,*,14,;' 'M 3:'184,;'
A,9),'84' 4' 45,' *A8>>8' &(;'45,8)'
=&)46'),&*8>,'45,8)';&(?,) 23'= 3848 (
444'Y'^ 36=¸2+6=' 1,' =136.>1<6.'<4=' 5,B
=414,.' E;'8.' 82248.:6' G41<' 1<6' 94=%38.B
:<4=69' 38.94 (' 4 <4=' 53,5,=82'
*.%8+,*38E2;' 36:64+69' 444' Y'^ 94=B
A*4614.>' 8=56:1' ,% 8%%843=' 444' YY^
96%68169'444' Y'^ 4.829,'53,5,=6=' 8.'
855682'1,'83)=' '^ :4169'1,'1<6' 8B
2877,@444' YX^ 18H6=' *5' 83)=' 1'
96=63169'444' '^ E8.4=<69' 1<6' :41;
444' '^ *3>6=' 04=:,.14'1,'G83'444' W U^
4.94%%636.:6',%<4=1,348.=' 1,'<4=' 1368=,.'
444' W Y' ^ .1,.4,' 38.:6=:,' 96>24

*A8>>8' 8 : =&48,(4' 9' 45,'8(4)8?2,3' 9' 45,' =,)8 ;' ? ,3' 4')&4' &(;' 1&))8,3' B82*8&('&(;'),(>'A&1@' 4' *),(1, 888' -!

*;,) 448' &==,&)3'8(' B,(&'88' #'M 8(< 4)8?2,3' 9)'= 33,38 (' 9' 83&'88' ##

,O&(;,)' ' ,,14,;' =,'88' 'M A83' ;,&45'88' !-

,O&(;,)' ' ,,14,;' =,' 8' -M' *),(48(,' ,:A&336' 9'?)&42*&48 (' '^ 583' * &453 :,' 15&)&14,)' 8)' "'"M A83' ;,&45'&(;'843'1 (3,D2,(1,3' 8)' "

*A&(1,' 9' *),(1,'&(;' ,(81,'7845'45,' (,7'),=2A*81' 9'B,(&'888' "-

**8&(1,'A,47,,(' 8*&('&(;' *),(1,'888' #

**8&(1,' A,47,,('45,' ,;818'&(;')&(183' '8''!

4 =&318'[A&44,' 9]'8'-"

*2:' :8(,3' 9' *4,))&'888'# 'M * <),(48(,'1848>,(3'8(4),34,;'8('45,:' '^ ;83=24,3'88'.# -M' *4,))&')A,*3'888' # 'M),9,)),;'4' *),(1,'888' # !'M I7&)'

:A&33&;)3'9) :' 831 (48' 3 2(;' 45,' 8,(,3,' &(;' 83&(3'88' #N#'M (A*,'),=*6' 9'45,' 83&(3'

:A&33&;)3'9) :' *),(1,':,,4'45 3,' 9' B,(&'&4' 8,4)&' &(4&'88' N-'M 9&8#'4' :&@,'=,&1,' 'M3,&A &);';83=24,3' 'M 7&)'7845'B,(&'88' N

:A&33&;)3'9) :'45,' (48= =,' ,(,< 94:1'44' WY

:A848 (' 9'45,' *),(48(,'= =2*&48 ('88' #"!' ""

:A848 (' &(;'4),&15,)6' 9' ==8&('88' #

:81&A*,'A,D2,34' 9' 2(4'B28;'88'

:8)&4' (' *),(48(,' =) 3=,)846' 8' ## '88ss- 'M (' B8&(?&*,&>>' 831 (48P3' ;,&45'88' "'M (' 45,';' 7(9&*#' 9' 83&' 88' N'M (' 45,' 15&)&14,)' 9' 8,4) ';,P ,;818'888'#!N'M ('),(>'&(;' B82*8&('583'3 (3' 'M &11 2(4' 9'45,' / &*8& P888'

(18,(4' *),(48(,' (3484248 (') ,34),;8''

(;),&';,?*8 4) >>8'88'!

(,1; 4,' 9' 3:';,P ,;818'888' 'M 9' 8,4)';,P ,;818'&(;' 2;'81'8*) '8''!"

(?,)'&(;'&*&):' 9'45,' 8?( )6'88' ' #-

(?58&)8['814)6' 9]'888' #'M 843'3:&**),32*43'W

(?* (&':&)15,3'4' *),(1,'8' !N

(8:23' 9'45,');8(8';8' B82348>8&'8' #

(45,)'),(15'&):6'37&):3'&1) 33'45,' *=3'8''-"'M&;'&(1,3'4 7&);3' 8*&('8''-"-

(48= =,3'8(' 4&*6'88' N'

(O8,46' 9'45,' 8?( )6'88'#!

=,((8(,' 4 7(*,43' =) 4,14,;' A6' * <),(1,'88'-N

==&),(4'=) 3=,)846' 9' *),(1,'888'-

==8&(P3'4),&3 (' 4'45,' 83&(3'88'#! 'M A83'232)=&48 ('88'# !'M ;,&45'88'# -' !

==,&*' 4'45,' *&1@' 8)?8(' 9' :=)2.' (,4&'88' "!

==*81&48 (' 4' ,(81,' 9)' &33834&(1,' &?&8(34' 5&)*,3'% '8''!"N

== 8(4:,(4' 9'&'(,7' &*8&'88' #

F =)^3':8*,' `*2?,G'88'#

D28*&')83,3'8('8(32)),148 ('888'-#

)&A3' 9'45,'8(4,)8)'8' "

)&? 2'[,4,)' 9]'&;;,;'4'45,',(,:8,3.' 9' *),(1,'8'-#

)1&;,' 9' &(' 815,*,'8'#"

)15A835 =' 9' 8*&('88'

),48(' 3,1),4&)6' 9'45,' 8?( )6'88'-

),>>' 36:=&4583,3'7845'8:=,)8&*83:'8'! -'M 83' 32A;2,;' 'M B58A,**8(,3' 9'),A,*'8' "#'M &33834,;'8' M' A,< 38,?,,;' A6' &;83*&23'88' 'M 38,?,.')&83,;'88' 'M ,;818' &4'8''# N'M' T32)),(;,)3'4'45,'),(15'8''#)834 1)&481'=&)46'8(' *),(1,'5 7'),< =) ;21,;'88' 'M 98(&**6'&((858*&4,;' 888' !'M &)834 1)&481'? ',)(:,(43'88' #

):&?(&1'[2(4';P]'&(;'583' (; 44& 88'#NN'M&11,=4'&(',(?&?,:,(4'4':&)15.' 8(4' :A&);6'&(;'),:&8('38O': (453 88'#N'M 83';,9,&4,;' #

):6'&(;':8*848&' 9' *),(1,':234,),;' 9)'&'3)48,'8''--

)('[45,]'8' !'M 843'(&42)&*';)&8(&?,' '9* ;,;'8'!

))&AA8&48')'45,'92)8 23' (,3'8''#)),34' &(;'4)42),' 9' &(:8(8&4';P 8118'88' ""'M 83'1 (9,338 (' 'M 843.' 1 (3,D2,(1,3'88' "

)),34' 9'B8)?8' 1&*8'88'# 'M 583',O,< 1248 (' '8 ,(;' 9' 45,'4)82:'8)&4,' #

))8'&*' 9' 5&)*,3' 9' 2O,:A 2)?'&4' 83& 88' # 'M 1) 7(,;' :=,))'&4' :,' '

))8'&*' 9' (?*835':,)1,(&)8,3'8(' 4&*6 88' - I' ś 'TT

)4'&(;'*84,)&42),'8(' *),(1,'8'##

M 'O ' 9' *),(1,'8' N!

M 'O '?28*;3'88'--

8R43v 3=,18&**6'12*48'&4,;'8(' *),(1,'88' - "

31,(;,(16' 9'B58A,**8(83:'8(' *),(1, 8' #"'M 9' 45,' *A8>>8'88' " 'M 9' 18'8*' ',)',11*,38&3481&*' = 7,)'88' -'M 9';,: 1)&16'8''-!

33&338(&48 (' 9' :81';&' ,(&9) '8'K' -

==8==4.=‘ ,% 4*248. ,‘ 9,@ 694:4 8.969‘ ,+63‘1,‘1<6‘ <8.>)8.‘444‘ # ‘
==6)E2;‘ ,%1<6‘56,526‘4.‘1<6‘E69‘ ,%1<6‘ 3. ,‘4‘W
==*38.:6=‘36:64+69‘ ,% <8326=‘ ,%)F+6)F E,*3>@=‘568:6%*‘24.16.14,.=‘4‘ ‘
1<6.=‘8,9‘ 1<6.48.=‘:,)58369‘1,‘ 2,B 36.14.6‘58382626=‘4‘Y
1<6.=‘g *H6‘,%I‘4.‘:,))8.9‘81‘ 4=1,48 4‘U U‘) 896 2,39‘,% 2,36.:6%,3‘24%6 44‘UW‘ <4=‘ *=*35814,.=‘ 44‘ U‘ <4=‘ 1;38..;‘ 8.9‘ *138>6=‘ 44‘ U[‘ :,.B =5438:;‘ 8>84.=‘1‘ <4)‘44‘)‘4 56,526‘4.‘ 4.=*.6:14,.‘ 44‘ ‘ 53,+4=4,.82‘ >,B +63.)6.1‘ 44‘ [Y‘ 1<6‘ 9*H6‘ :8541*B 2816=‘ 44‘ X‘ 36+6.>6‘,%1<6‘56,526 44‘ [
116)51‘,% 4,+8..4 O4=:,.14‘1,‘:,.A*63‘ 2,36.:6‘44‘X[
116)51‘1,‘1*3.‘1<6‘:,*3=6‘,%1<6‘) ,‘ 4+‘ X
11428‘81‘ 2,36.:6‘4‘
+63839,‘96‘ 694:4:<,=6.‘ ,.%82,.4636 4‘ ‘I‘8.,1<63‘ +63839,‘81‘ 8526= 444‘[Y

. ‘m)6614.>‘81I‘4‘W
8>246114‘.6>,14816=‘G41<‘1<6‘ .>24=< ‘ <4=‘=*::6=‘‘44‘W #
8>24,.4 m 8281:=18I‘>6.6382‘4.‘:<46% ,% 1<6‘ 2,36.14.6‘83)46=‘4+‘ ‘ <6‘8.9‘ <4=‘:85184.=‘=G683‘1,‘96%6.9‘1<6‘:41; 4+‘[U‘ 96534+69‘,%<4=‘:,))8.9‘4+‘ [UX‘ 28;=‘1<6‘)6==6.>63‘9689‘81‘<4=‘ %661‘G41<‘<4=‘98>>64@‘4+‘[‘ ,56.2;‘ 8+,G=‘<4=‘1368=,.‘ ‘1‘8.9‘18H6=‘5,=B =6==4,.‘,%1<6‘>816=‘
8I,761‘ ‘946=‘268+4.>‘8‘94=5*169‘1<3,.6 444‘U ‘ ‘ *3H=‘934+6.‘,*1‘,% 138.1,

828.:6‘,%583146=‘4.‘ 2,36.:6‘4+‘WUY‘ 8246‘)61<,9‘,% :<,,=4.>‘)8>4=13816=‘44‘ WYX
827,‘m 62138),‘962I‘6.>8>6=‘G41<‘ 2,B 36.:6‘4‘ XU‘ <4=‘8334+82‘
8.H63=‘8.9‘<8.H4.>‘4‘
8.H4.>‘4.1636=1‘4‘WY
8.H‘,% #1‘ 6,3>6‘444‘U ‘ E6:,)6 5,==6=,3=‘,%#84F78.8‘ ‘4 :8=*=‘E6224 ZG41<‘ 2,36.:6‘444‘U [
8.H=‘6=18E24=<69‘4.‘1<6 63:81,‘ *,+, 44‘UW
8514=163;‘ =8+69‘E;‘ 4::,2e 4=8.6‘‘ 4‘ W Y‘ %822‘,%1<6‘5,35<;3;‘:,2*)2.‘24‘ U
83E89,34@=‘6D:*=6%,3 2,36.:6‘44‘W Y‘
83E83,==8‘81‘ 2,36.:6‘4‘YW
83E48.,‘=G665=‘1<3,*><‘ 2,36.1)6 163B 341,3;‘44‘ X
8394‘5828:6=‘52*.96369‘8.9‘E*3.69‘44‘ YU‘ 8394‘8.9‘1<643‘8>6.:46=‘44‘WY

83>84.‘,%1<6‘ 6>816‘G41<‘1<6‘E8.941=‘ 44‘W Y
831,2,))6,‘#8.=6+634.,‘4.‘98.>63‘44‘

831,2*::4,=‘>42969‘9,,3‘5*1‘*5‘44‘U X
81126‘,% 8=162‘962‘ ,=:,‘4‘WWW
81126‘,% ,.1856314‘4‘W ‘‘96%681‘,% 1<6‘ 2,36.14.6=‘8.9‘41=‘:,.=6A*6.:6= 4‘W[U
81126‘,% 62,348‘4‘WX
81126‘,%1<6‘ 48.:<4 8.9‘ 634‘%,3‘4R,=‘ =6==4,.‘,% 2,36.:6‘4‘
81126‘E61G66.‘1<6‘ 2,36.14.6=‘8.9‘ 4=8.=‘ 463,‘96@ 8)6=4‘44‘‘X
81126‘,% 855822,‘4+‘ X
81126‘,% 8+48‘%,.><1‘4+‘UW
81126‘,% 4=1,48‘4+‘ U‘‘ 2,36.14.6‘ %,3:6=‘3,*169‘ ‘‘1<643‘>6.6382‘ 63B 3*::4,‘H42269‘4+‘ UY
6>4..4.>‘,%1<6‘6.9‘4+‘UX
6224.:4,.6‘6314‘4‘YX
6.694:1‘V ‘ =6.9=‘ 8394.82‘98‘ 381,‘8=‘ 568:6)8H63‘1,‘ 2,36.:6‘4‘ X‘‘ !,F .814@=‘=13818>6)‘4‘ X‘‘1<6‘ 8394.82@=‘ :.*.163F=13818>6)‘4‘ W
6.694:1 m .145,561‘4.14)816=‘<4=‘4.16.B 14,.‘1,‘ 36)84.‘81‘#8+,.8‘44‘ U[‘‘ 89+8.:6=1,‘ ,31,‘O6.636‘44‘ U
6.694:14.6=‘m1<643‘4.%2*6.:6I‘4‘ #
6.4.M 5839,.69‘4.‘:,.=6A*6.:6‘,% 4=‘ ;,*1<‘44‘ W
6.14+,>24,‘ ,39‘,% ,2,>.8‘44‘ ‘‘4=‘ 96%68169‘8.9‘H42269‘
6.14+,>24,‘m 63:*26=I‘6.>8>69‘8=‘>6.6382‘ 8>84.=‘1‘ 4=8‘4+‘ W
63.839,@=‘96=56389,6=‘444‘ Y[
48.:<4 8.9‘ 634‘?‘ ,34>4.‘,%1<6‘163)=‘4‘ X
48.:<4‘1<6‘ <416‘5831;‘4‘WX ‘ ‘ Y‘‘%,3:6=‘,% 2,36.:6‘4‘ U
4EE46.8‘44‘W ‘‘%822=‘44‘ W
24.9.6==‘8.9‘ =*563=1414,.‘,%1<6‘ 2,B 36.14.6=‘44‘
2,,91<43=1;‘:<838:163‘,% 36.:< G83=‘ 8‘‘
,2,>.8‘18H6.‘E;‘1<6‘O4=:,.14‘44‘ ‘4 36:,+6369‘44‘ WW‘‘>4+6.‘*5‘1,‘1<6‘ <*3:<‘ ‘‘36:284)69‘8=1<6‘53,5631;‘ ,%1<6‘ ,2,‘#66‘444‘ Y‘‘G36=169‘ %3,)‘1<6‘ ,56‘4+‘ Y
,2,>.6=6‘%43)2;‘8118:<69‘1,‘24E631;‘44‘ YW
,.4%8::4,‘=*563=6969‘44‘W [
,.4%8:6 O ‘53,:284)=‘8‘I*E4266‘4‘
,.4%8:6 V‘)694816=‘E61G66.‘ 2,36.:6 8.9‘1<6‘O4=:,.14‘44‘
,3>48‘626:169‘ ,56‘8=‘ 26D8.963‘O 4+‘WU
)?8&[,3&),]‘8‘‘#-‘‘M 315,:,3‘9‘45,‘ =,‘ *,O&(;,)‘ ‘M 3,8>,3‘ :‘*&‘)*8‘&(;‘45,)‘*);358=3‘9‘45,‘ I

)8>.8' 4+' W^I=' .683 2,36.:=' ' ^ 4=' 855,4.169 85184.F 6.6382 ,% 2,B 36.:6 %,3 1<366 ;683=' 4+' U^ 4=' ,396369 E:' ,*4=' 1,' 9624+63 *5' 822 2,36.14.6 163341,3;' 4+' X^ :,.B =5438:;' 8>84.=1 ,3>48' 4+' X ^ <4=' 1468:<63;' 4+" XY^ 89,51=' 1<6 #544.4=24 :8*=6' 4+' XX^ =6.9=' 8==4=18.:6 1,' 4=8' ' ^ 9681< ,% 1<6 ,56' 4+' ' ^ 9681< ,% 6=836 ,3>48' 4+' ,*3E,.' m ,.=18E26I' 4+' U U ,;=' ,% 2,36.:6 96:496 8' >3681' A*6=14,.' ,%18:14:=' 4' X 38::48.' 8) E414,.' 444' X 38::4,' 36:851*36=' ,2,>.8 %,3 1<6 ,56 44' U U^ <4=' 9681<' 44' U X)&??&; 18& 3=8)84 9 45,' 1 : :2(,3' 8' WWU 34>8.9=' E,.><4 ,%% E;' 1<6 2,36.14.6=' 44' W U^ G41<938G %3,)' 182;' 44' W 3*.6226=:,'m 455,I':,.=13*:1=' 1<6 :*5,28' 44' U X^ <4= 528.%,3 93,G.4.>' *::8 4.' 1<6 G8163=' ,% 1<6 #63:<4,' 444' ' ^ 1<6 #63:<4,' 36%*=6=' 1 3*.6226=:,@=' 28.163.' 444' W 3441,'m 4:<8621' 444' *:.4829,'=56:*2814,.=' 44' *:4:8*21' m 83::<821' 4.163%636=' 4.' 1<6 8%%843=' ,% 4=8' 44' W' ^ 2,36.:6 53,B 16=1=' ' ^ <6 =6476=' 822 2,36.14.6 53,B 5631,'4.' 6.,8' 44' WU^ =56:*2816=' G41<' 1<6 <145,56 6.694:1 ' 44' ' ^ 4.134>*6=' %,3 5,==6==4,.' ,% 4=8 ' 44' ' ^ <4=' =:<6)6 96%68169' 44' [*2G83H' ,% 2,36.:6' 44' UU *,.8::,3=4' %43)' ,%' 44' W^ =*=56:169' 44' [Y^ <4=' 8336=1' 4=' ,396369' 44' [' ^ 6=:856=' *,.858316 %8)42;' 4' W *,.962),.16 A*83362=' G41<')496M 81' 8)54 "' 4' XX^ 8>366=' 1,')833,:' 1<6 .46:6' 4' □□^ I421=' <63' 8.9)83346=' 8 ! ,.814 4.=1689' 4' W ^ 4=' 8==8==4B .8169' 4' W ' ^ <6.:6%,31< 2,36.:6 E6B :,)6=' *625< 8.9 <4E624.6' 2 (;,*: (4,' &*&1,' A2)(,;' 88' N *,.4 962 ,.16' 4' W^ 53,>6.41,3=' ,% 1<6 *,.858316=' ' H E6:,)6 2,36.B 14.6:41476.=' *3482 ,%8 *625< :<46%,' 4' W *3.4.>' 8.9 96=13*:14,.',% 1<6 :41;' 44 # " *3.4.>' ,% 1<6 +8.4146=(' 4+' W

' ! ' m!*H6 ,%I' =6.9=' 82163 96 346..6 1,' 2,36.:6' 4' UW ^ 8334+6=' 81' #46.8 <4)=62%' ' UWX^ <4=' 96)8.9=' 4' U W^ <834.>' =6:*369 1<6)' >,6=' E8:H 1,' 96%6.9 8526=' 4' U ' ^ 9,*E1%*2 :,.9*:1 36>8394.>' #46.8' 444' X[82:4,' :626E38169 4.' 1<6 48778 94 #8.18 3,:6' 4+' Y 82:*28169+82*6 ,% *=:8.'5,G63' 4' ' 824+1*=' ' %,22,G=1<6=165=' ,% 4:<,28= 444' WX 8)829,24 ,% 2,36.:6' 44' &:A8 [B8 '&((8] 9&*3,*6 &1123,;' 88' G G' &:A8 [,)]' 45,' A&(@,)P3 1*,)@' 88' #- ' &:A8P3 ? 338=8(? &11 2(4 9 45,' ,;818 888' ' M 583 '8,7' 9 *),(48(,'3 18,46 8' ' - 8)58294.,' mE81126 ,%%' 4' Y 8.:6224f34 m#:48118 94f 85418.,' ,% 2,B 36.:6' 4' [8.94:8 m 463,' 94f 96:28369 ,56' 44' X' 8.,==8 m:8=126 ,%I' 4' W 8.,=8 m),.H ,%I' 4' 8.+8==4.>' %,3 +,16=' %,3E4996.' 4.' 2,B 36.:6' 4' WY 858E424146=' ,%1<6)*.4:4582=:=16)' 4' W' 85418.4 94 8316 *62%8' 44' W X' W ' 8541*2814,.' G41< 1<6 2E6314' 4' ' 855,.4@=' 365,31 ,% #82+6=13,' 96@ 694:4@= =566:<' 44' WX' ^ <4=' =1816)6.1=' 44' □' ^ <4=' 8::,*.1 ,%1<6 5,5*283 36+,21 44' X^ .J>,:4h16=' %,3 1<6 5*3:<8=6 ,% 4=8' 44' ' ^ =:<6)6 %,3 41=' 9624+64F;' 96%68169' 44' [^ %43=1 2,36.14.6 ,+63.,3 4.' 4=8' 44' [855,.4 m 634I' <4=' =63+4:6=1,' 2,36.:6 444' WU[^ <4=' %346.9=<45 G41< 829.,F :4,' 9@ .><4834' 4 %*14*36 ,% 2,B 36.:6' 444' W ^ 9681<' 4+' WU ^ 85B 5,.4 m 4613,I' 8:A*436=' >3681' 94=14.:14,. 4+' YY ^ 855,.4 m 4::,2eI' 53,5,=6= =134:1 .6*138241;' 4+' U[W ^ :<,=6.' ,.%82,.4636' 4+' U W ^ 4=' :<838:163 "4+' U X ^ 1<6 93,5569 261163' 4+' UX ^ 965,=69' 4+' UX' ^ 96=58434.>' ,% 2,B 36.:6' 246=9,G.' 8.9 946=' 4+' UX' 8534848 m%,3136==' ,%I' 4' W W 85184.=,%1<6 #8.14' 4' W X 851*36 ,% 4>24,' 8.9 ,31,' 4=8.,' 44' W Y 851*36 ,% ,.16>6)),24' 44' X 851*36 ,%1<6 ,96=1C 5828:6' 44' W ' 8394.82 96228 ,+636 849=1<6 36.:<' 4+' [8394.82 4*24,' 96@ 694:4 18H6=:<83>6 ,% ,)8.' 8%%843=' 4+' XW^ 4=' 626:169 ,56' 4+' U 8394.82@=' 285 9,>' 44' W 8394.82=')661 4.' :,.:28+6 81' 4=8' 44' ,X^ 965,=6 36>,3;' 8.9 6.694:1' ' 4 626:1 26D8.963 O' ,56' 44' [' 839,.8 m 84),.94 94I' 8334+6=4.' 2,B 36.:6' 4' U ' ^ 4=' 855,4.169 6.6382 ,% 1<6 %,3:6=' 4' U U^ 5,316.1=' 4' U ' ^ 1<6 :833,::4,' 8.9 G83FE622)83:<,*1' 4' U Y^ 96%68169 8.9 18H6.' 534=,.63 81' 21,58=:4,' 4' U X

83) 4> . . , 28 m 38 . : 6=: , I . 8) 69 6 . 6382F 4 . F <46% 44 U U
83 . 4+8 4 . 2,36 . : 6 4+ Y
833838 m 83 : <6=6 98I 96534+69 , % 89*8 44 Y 855682= 1 , 2,36 . : 6 4 O4=B : , . 14 : ,) 5284 . = 4 #46 . 8 18H6= 5831 ZG41< O4=: , . 14 #4=8 89 , 51= 2,36 . B 14 . 6 +46G= 36 : , +63= 89*8 44 Y 4= : , . %43) 69 4 . <4= = , +6364> . 1 : 44 82246= <4) =62% G41< 1<6 O6 . 6B 148 . = 44 X
83363 , m . > 62 , I 626 : 169 , 56 8= 36 > , 3 ; V 4 UU
8=6 . 14 . , m1<6I 444 W
&348?*8 (158 =&*&1 , 3&1@ , ; 88 N
8=14>24 , . 6 m 3614 . , I 8118 : H69 44 ;
8=126 , % #1 . > 62 , =*336 . 963= 1 , *94=F 28*= 44
8=138 : 8 . 6 m 38 . : 6=: 8I 8116) 51= 1 , =6476 *: . 8 44 4= 96%68169
8=13*: . : 4 , 8=138 : 8 . 6 4 <4= : <8B 38 : 163 8 . 9 8556838 . : 6 4 =*9B 96 . 2 ;) 83 : <6= 4 . 1 , 1<6 2 , G63 O82 9@) , 4 855683= E6%, 36 6 . , 8 4 Y ,111F>6 . 6382= 1<6 2,36 . 14 . 6= 4 X 855683= 81 381 , 4 X <838==6= 1<6 2,36 . 14 . 6= 4 U W E81126 , % 21,58=: 4 , 4 U X 38+8>6= 1<6 : , *. 13 , 3 , *. 9 2,36 . : 6 4 UW <4= 9681<4 U X <4= 53 , > . , =14 : 814 , . = 44 :<838 : 163 44 W 1<6 28=1 , % 1<6 <4E6224 . 6= 44 W
8=1818 , 3 %, 3 : 69 2,8 . = , 8 . 6A*418E26 E8=4= 4 . 13 , 9*: 69 44 UYY =: <6) 6 , % 3814 . > 44 UYX 41= G , 3H4 . > 44 U W &45 , ;)&* . , 81&4 , ; A6 45 , = , 888 "# 81<634 . 6 96 2694 : 4 E , 3 . 4+ Y &45 ,) 8 (, [&8 (4] &4 * 8 (45 , B2 , *=53 5&(; 3 88 N M 5 ,) , : A&336 4 45 , = ,
81424 . 6 81 46=, 26 8 . 9 4=1, 48 4 WX
8*=6= , % A*8336 E61G66 . 4613 , 96 694 : 4 8 . 9 *9 , +4 : , 42 , 3 , 44 W
8*=6= , % 1<6 2 , = , % 2,36 . 14 . 6 24E631 ; 44 Y
8*=6= , % 2,36 . 14 . 6 94= : , . 16 . 1 44
8*14 , . , % 1<6 #4 > . , 3 ; 44
8+4 : : 4*24 m#82+6=13 , I 44 <4= 36B +62814 , . = H . 4><169 8 . 9 =56 : 482 534+426>6= >38 . 169 44 W
634 : <4 <689 , % 1<6 48 . : <4 4 U
<84 . , % 4=8 : 833469 , %% E ; 1<6 2,36 . B 14 . 6 >8226 ; = 44 W Y
<83418E26 E6A*6=1= 9*34 . > 1<6 548 > . 6 44 XW
<8326) 8 > . 6 4 . 2,36 . : 6 4
<8326= , % . I , * 4 W <4= 9681<4 W #4 : 4248 . O6=564F= W
<8326= , % !) F877 , 44 UW '
<8326= , % O82 , 4= 4 . +4169 4 Y <821= 81 8=126 #18>>48 4 [=6 . 9=) 6=B =6 . >63= 1 , 2,36 . : 6 6 . 163= 1<6 : 41 ; 4 [[I 564F526D41 . ; , % 1<6 #4 > . , 3 4 [X 36 . : 1368 : <63 ; Y 4F858F : 41 ; 4 Y 965831*36 %3 ,) 2,36 . : 6 4 YX
<8326= O , % 38 . : 6 4 . +4169 4 . 1 , 182 ; 44 YW
<8326= O 96163) 4 . 6= , . 8 18248 6D569414 , . 4+ WX <4= : 284) , . 428 . 4+ 6 . 163= 8526= 4 . 134*) 5< 4+ WW) 83 : <6= . , 31<G839 4+ WW 6 ,) 4 , 6= G83 . <4) , % 8 : ,) 4 . > =1,3) 4+ WW 36 : 64+6= 8 +4=41 %3 ,) #8+ , . 83 , 28 4+ WWY 4= E34E69 1 , *2%42 E4= , 81< 4+ 9= 563%49 ; 4+ 9681< 4+ W[
<8326= O 855683= 4+ W 34+823 ; 8 . 9 <81369 E61G66 . <8326= 8 . 9 38 . : 4= 5 , =414 , . , % 1<6 , 56 58582 : , >41814 , . = 4+ 268>*6= G41< <8326= 4+ G83 G41< 38 . : 6 4* ,) E839 ; <8326= 8%%6 : 1= 1 ,) , *3 . <4= =*: : 6= 4+ U U 94=B : 34) 4 . 816= E61G66 . 1<6 , . 14%% 8 . 9 1<6 16) 5 , 382 = , +64F64> . 1 ; 4+ UWU
E48*4 +8226 ; 4 [
<48 . 14 <422= 4 YX
<34=1 53 , . : 284) 69 H4 . >F , % 2,36 . : 6 4+ U
<*3 : < m1<6I 4 . 362814 , . 1 , 1<6) 563482 ! *H6 4 X
4835622 , . 6 4= 53 , 5 , =69 %, 3 1<6 : ,)) 8 . 9 , % 1<6 428 . 83) ; 444 W Y 4= 8336=169 E ; #%, 378 5*1 1 , 9681<
4 ,) 54 1*) *21= 44 WY [626 : 1 8 =4> . , 3 ; 44 Y 268963= =*5536==69 44 [
848> , (3 9 *) , (1 , 323=, 14 , ; 9 32==*6< 8 (7 83& 8 ' 411C 94 8=1622 , 18H6 . E ; 3E4 . , 444 W
41 ; . , E26= 8 . 9 163341 , 3482 . , E26= 4 [Y 4+4248 . G83) 8 . 8>6) 6 . 1 44 U W
4+4241 ; 8= * . 963=1 , , 9 4 . 2,36 . : 6 4+ U 2 : Q : 4968 444 UU
4+42 G83 E61G66 . 1<6 . , E26= 8 . 9 : 41476 . = 4 [134*) 5< , % 1<6 281163 1<6 9681<FE2 , G 1 , 2,36 . : 6 4 X 4 . 1<6 : 41 ; 4 W U 1<3 , *><, *1 1<6 163341 , 3 ; , % 2,36 . : 6 4 Y
284) = , % 38 . : 6 1 , L4 . > 6 . J@= 4 . <63418 8 . : 6 4+ W
2834 : 6 #13,774 >, 6= 1 , 2,36 . : 6 4+ UUW <63 855682 1 , 1<6 8394 . 82 4+ UUU 8 . 9 1<6 694 : 68 . 534 . : 6= 4+ UUX <63 4) 53*96 . : 6 4+ U Y
26) 6 . 1 O =*: : 669= 3E8 . 4+ WY E6=1 , G= 1<6 : 3 , G . , % 8526= , . <8326= , % *I , * 4 E81126 , % 6 . 6+6 . 1 , 4 WYU
*, : , (4 , *, 14 , = , 8 "N M 4)&(3< =)43 45 , &=&* 3,&4 8(4)&(1 , 8

[Y C

Y^ =6.9= 1G,' 26>816= 1,' 2,36.:6 8.9 1<6 :8)5' '4 4=1,28 %822=' R 26)6.1 O 22 @= A*824%4:814,.= %,3 1<6 858:;' 4+' U ^ <4= 5,24:;' 4+' U ^ G8.1 ,% 36=,2*14,.' 4+' U ^ <4= 74>B 78> 5,24:;' 4+' UW ^ 8E=,2+6= 38.:4= %3,)' <4= ,81<' 4+' UWW^)8H6= 163)= G41< 1<6 3,EE63= 8.9 >4+6= <,=18>6= 4+' UW ^ 42455,' #13,774 <4= %346.9 8.9 E8.H63' 4+' UW[^ <,G <6 H651 <4= 5269>6' 4+' UW ^ %246= %3,)' ,3.6' 4+' UY ^ 1,' 3+461,' 4+' UY ^ <4=),963816 96)8.9 ,% 2,36.:6' 4+' UYY^ %822= 422 4+' U ^ <4= 261163 1,' <8326= O ' 4+' U [^ 365,31 ,% E4= 9681<' 4+' U Y^ .6G 268>*6 G41< <8326=' 4+' UXU^ 568:6 ,% 8)E384' 4+' UX ^ =6.9= 8.' 8>6.1 1,' 82816=18' 4+@ [W ^ +4,2816= 6+63;' =145*2814,.' ,% 1<6 :8541*2814,. 4+'

,226 %,*.969' 4' [X ,226,.6 m 831,2,)),1 :3,==6= 1<6 ,' G41< 8 O6.6148.' 83);' 444' U^ 36B :64+6= ,3963= 1,' G41<938G <4= 83);'1,' ,)E839;' 444' ,2,..8 m 4,+8..41 18H6= =63+4:6 G41< 2,36.:6' 44' X ^ <4= 36)83H' 44' U ,2,..8 #16%8.,@= I682,*=,' ,% 8>24,.4 4+' [^ >*421,' ,%1368=,.' 4+' [U[9)E4818 96=13,;69' 4' Y ,)4.6=@ m <424556 961 8::,*.1 ,% 1<6 36.:< 6D569414,.' 4+' W ,))4==4,.63= 855,4.169 %,3 %4+6 ;683= 444' W ,)),.' 182H ,% 2,36.:6' 4+' ,))*.6 ,% 2,36.:6' 4' Y ,))*.4 4.' 182:;' 4' ,)58:1 E61G66.' ,E631 8.9 1<6 2,36.B 14.6=' 44' # ,)58>.8::4',3=*5563=1,>61<63' 4+' W[,)58>.48 96228 <24=634:,3948' 4' WWX^ 41= ,34>4.' 4' ,)58>.4@= 16=14),.;' 1,' 1<6 6D6:*14,.',% 1<6 ,394.8.:6=' 4' ,)56.=814.>' 4.%2*6.:6= ,% 18248.' 24%6 4' W ,)5284.1= ,% 1<6 .,E26=' 4' ^ ,% 1<6 2,36.14.6=' 44' WX ,)536<6.=4+6)68=*36= 89,5169 E;' 1<6 #4>.,3;' 4+' ,.:2*=4,.' ,% 1<6 =1,3;' ,% 1<6 ,)),.B G6821<' 4+' U ,.9414,.=' ,% 568:6 E61G66.' 1<6 O4=:,.14 8.9 2,36.:6 8.9 <63 8246=' 44' ,*9,214634 :,)8.963=' 444' ,.9,114634 _1<6 6+42= 1<6;' 53,9*:69' 44' X ,.%636.:6',% ,2,>.8' 4+' [WY ,.%6==4,.' ,% 2E4?'74' 8.9 6D6:*14,.',% 1<6 534=,.63=' 44' ,.%28>3814,.=' 4.' 2,36.:6' 4' [

,.%*=4,.' ,% .8)6=' 4' WU ,*%*=4,*' ,% 583146=' 4.' 182;' 44' WX ,.>381*2814,.= 1,' <8326= 81 4=8' 44' W ,.=6A*6.:6= ,% 1<6 694:68.' 5,G63' 44' UWU ,.4>24,'962 ,5,2,'44' YW^ 962 ,)D)6 ,.=5438:;' ,% .,E26= 9616:169' 4' XX ,.=5438:;' ,% 1<6 38.94 94=:,+6369' 44' ^ 1<6 #13,774' 34,3' 44' X ,.=18E26 ,*3E,.@= 53,>36==' 4+' U ^ :3,==6= 1<6 56..4.6= G41< 8),E ,% %366E,,163=' 4+' U U^ ,)6 8.9 2,B 36.:6 E,1< 136)E26' 1^ 8334+6= E6%,36 G822= ,% ,3.6' 4+' U W^ %822= 4.' 2689B 4.>' <4=)6.'1,' =:826 1<6 G822=' 4+' U ^ ,3.6 =8:H69 E;' 1<6 83);' ^ 26B)6.1 ,.2;' 53,16:169 E;' 1<6 G822= ,% #1' .>62,' 4+' U ,.=18.14.,526 18H6.' E;' 1<6 *3H=' 444' W X^ 41= 6%%6:1 ,.' O6.4:6' 444' WX ,.=163.814,.' ,% 1<6 2,36.14.6=' 44' ,.=141*14,.' ,% 583146= 4.' 2,36.:6' 4+' W Y ,.=141*14,.' ,% O8298)E38' 4' ,.=141*14,.82 :<8.>6= 4.' 2,36.:6' 4' W X ,.=141*14,.82 16.96.:46= ,% 1<6 2,36.B 14.6=' 44' Y ,.=*2= ,% 1<6 8+82463=' 4' W ,.16)5,38.6,*= 6D4=16.:6 ,% 5,2414:82 94=1*3E8.:6 8.9 =,:482 53,=56341;' 4' [,.16)5,38.6,*= 5634,9= ,% 53,=56341;' 8.9 =,:482 94=1*3E8.:6' 44' W[[,.138=1 E61G66.' L.>24=< 8.9 36.:< ')63:6.8346=' 44' YX ,.134E*14,.=' %,3:69 %3,)' 1<6 56,526' 44' U[,.+6.14,.' G41< 1<6 *::<6=6' 4' [Y ,.+6;8.:6 ,% 1<6 =13,.>' E,D E;' 1<6 534,3=' 1,' 1<6 5828:6' 44' ,55,' #16%8.4' 4' ,39,+8' ,.=82+4 96' 934+6= 1<6 36.:< ,*1 ,% 8526=' 4+' XX ,3,.814,.' ,% 369634:H ' 4' W[X ,33,::4,' ,% 2,36.:6' 4' WW ,3=4.4 :368169 3:<E4=<,5 ,% 2,36.:6 44' U W ,31,.8 4.' 98.>63' 44' Y^ +4>428.:6 ,% 1<6 #4>.,3;' ' ^ 894=28*= :851*36= ,31,.8' 44' ^ 36:,+6369 1,' 1<6 #<*3:<' 44' [W^ 4= <8.969 ,+63 1,' 2,36.:6' 44' [[,=:48 m 8394.82[' 6.+,;' =6.1 1,' 2,B 36.:6' 44' W^ 563=*896= 26D8.963 1,'>,'1,' ,2,>.8' 44' [U^ 626:169 ,56 8=' T,<.' VV ' ,*.:42 ,% ,.=18.:6' 44' X ,*.:42 ,% 1<6 <*3:< 81 4=8' 44' [X

965,=6 ,56 36>,3:' 8.9' 6<694:1' 8.9'626:1= 26D8.963'O'44' [' ,..622 ,% 1<6' <*3:< 1<36816.69' 4+' Y^ 4=8' %43=1' %4D69' ,.' 4+' '^ %4.822;'138.=%63369'1,' 428.'4+' X' ,*.:42',% G62+6':<,=6.'44' ,*.1' 8.9,'4.' 63)8.;'44'W X'' ,*.1= 2E6314',%O6)4,'4' ,*38>6 ,%1<6':41476.= ,% 2,36.:6'4+'

,*38>6,*= 81141*96 ,% 1<6 2,36.14.6')63:<8.1= 8.9':38%1=)6.'44' Y[' ,G8392;' 4.8:14,.' ,%1<6 18248.'83);' 4+'U[36),.8 mE81126',%I'44'U X^ 41= 4.=4>.4B %4:8.1'36=*21='

3*=896'8>84.=1' 8.9,'44'W Y 3*=896'8>84.=1'24E631;'4+'UX 3*=896'8>84.=1'1<6' *3H='444'W' *5,28':,))6.:69' 4.' WU W'44'U ^ E* 1'G41<,*1'=:8%%,294.>'444' □□' *34,*= :,)5284.1',%1<6' 2,36.14.6='44' U *34,*= :,.9414,.',%568:6'44' *3=6',% 182;'44'WU *=1,)= >8E6226 ('44' Y

: ;',54.4,.',% 82816=18'4+' [!8.>63',%8'%366':,))),.G6821<1,'96=5,1B 4=)'4+'UX !8.>63,*=6.)41;',%1<6',56'444' WX !8.16',.' 1<6'>,,9',29'14)6=('4'W' X !8.16@=.,14:6',% 2,36.14.6'26>6.9='4'W !8.16@=.,14,,',%%,364>.63='4' W !8.16@=54:1*36',% 2,36*14.6'24%6'4'# !8.16'4)),31824=6= 834.818'4'W[X !8.16'8= 8'5831;'5,2414:48.'4'UW^ 4= :<,=6.'34,3'4' '^ 8)E8==89,3'1,' ,3.6'4' !8.16@=53,5<614:'G,39='4' !8.16@= <4E6224.4=)'4' Y'^ 261163=1,' 1<6' 2,36.14.6='4' X^ 1,'1<6')B 563,3'4' W'^ <4=),14+6='4' '^ 9681<'4' XW !8.16',.' 2,36.14.6' %4:H26.6=='44' '^ 1<643'I*=14%4:814,.' !8+4740=:,.%6==4,.'44' W !681<FE69',% ,36.7,'1<6' 8>.4%4:6.1 444' Y !681<%346.92;'1,' 2,36.:6'44' !681<',% .=13*::4,''4'UX' , !681<',% <8326= !*H6',% 8 8E3 ,44' '^ 41= 6%%6:1',.'1<6' 2,36.14.6=' !681<',%!,.81,' 83E89*34'44' U !681<',% 83.6=6'44'WUW !681<',% 6394.8.9',% 38>,.'4+' [Y !681<',% 369634:H 83E83,==8'4'Y !681<',% <63839,'9@ 5548.,'44' W[,&45 9'B8&(?8',&>>' 831 (48'88' "N

!681<',% ...,:6.1'O '4+' !681<',% 894=28*=' 44' !681<',%' 8*2' '444' ^ <4= 8556830' 8.:6'8.9':<838:163' !681<',% ,56 ,..4%8:6'44' W !681<',%1<6'!*H6',% 428.'4+' !6E1',% 9G839',% .>28.9'1,' 2,36.B 14.6='44'WY !6:8;',%:,.=141*14,.82'24E631;'4.' 2,B 36.:6'444'U Y !6:8;',% 18248.':4+424=814,.' ' !6:8;',%1<6')*.4:4582'=;=16)'4'W !6:4)8#:82818'1<6'4+' Y !6:4=4,.',%1<6'##4>.,3;'8.9'=6.81,3='44' WW !6:4=4+6'=165=',% 5548.,'44' X !6:283814,.',%G83'8>84.=1'1<6' 8.H',% 6.,8'444'U [!6:368=6',%5,5*2814,.'8%163'1<6'528>*6 44'X !6%681',%1<6')56348'83);'44' !6%6:1= ,% 96),:3814:' >,+63.)6.1'4+' X !6),.=13814,.'8>84.=1'1<6' 85418.,'4' UY !6),.=13814,.',%1<6' 314 ('44'WX[!656.96.1' ,))*.6=%,*.969'4' !65,=414,.' ,% 1<6' 4336>*2832;F626:169' >*429='44' !6538+41;',%1<6' 2,36.14.6='44' X !6=6314,.= %3,)'1<6')56348'83);'4+' X !6=13*:14,.',%1<6' *625<4:'5828:6='4' W Y !6=13*:14,.',%1<6'),.4'16346='44'WX !6+8=1814,.'4.'1<6':41;' 44'WXY !48:61,'mT8:,5,I' 8336=169'4+' XX^ <4= :,.%6==4,.',' 4+'U ^ 36+682=1<6' *F :6228':,.=5438:;'4+'U W !469'962' 836'855,)169'44'W ^ !46:4 94' 8248'626:169'44' [U !461',%#5436=:82269'4+'UW !4%%4:*2146=='*33,*.94.>'2,46.:6'4+' !426))8',%1<6'#4>.,3I'44' W ^ %3*41B 26==)694814,.'E61G66.'1<6)'8.9'1<6'),E'44' 2H !436:1'=,*3:6=',%1<6'5,G63',%1<6'56,526' 4.' 2,36.:6'44'Y !4=8E424146=',%.,E26'E431<'4.' 2,36.:6 R 44'YY !4=8=13,*=%2,,9=',%1<6' 3.,'4' !4=:,39'4.'1<6':41;'44'W '^ 4+' UX !4=,3>8.4=69'=1816',% 2,36.:6'4+'[W !4=A*824%;4.>'.8)6=)+6.16T'44' !4==814=%8:14,.',%1<6' E8294.4'8.9' *494 44'WW[^ &I%1<6'56,526'44'W ^ ,%1<6' 2,G63':28==6=' 44' [^ 1,G839=1<6' ,24>83:<;'44' U[8348(148 (3'A,47,,(' (A*,3&(;'A2)?5,)3' 88' NN !4=136==4.' 4=8'9*34.>'1<6'=46>6'4+' WX

4><1 4. 4=%1 8.9 4) 534=, .) 6.1 ,% 1<6 8) E8==89,3=' 44' XW
4><1 E61G66. 1<6 >*429=' 44' X
424E631, 34. :6 ,% 38.>6' 8334+6= 4. ,3.6 4+' ^ 18H6= : ,)) 8.9 ,% 1<6 : ,) E4.69 83) 46= 8>84 .=1 2,36. :6 4+' W
4.82 8E8.9, .) 6.1 ,% 82877,' *EE24: , ' 44' □
43=1 8==8*21 , .' 2,36. :6 365*2=69 4+' W
43=1 6D426 ,%1<6 694:4 4+' [
43=1 6D52,41 ,% 1<6 3681 ,) 58. ; ' 44' W
24><1 ,% 48.>826877,' O4=: , .14 %3,) 89*8 44' [
24><1 ,% 8.9e 8.9 <4= 83) ;1,' 6. ,8' 44' □
2,36. :6 8.9 8526= 8: :651 1<6 568:6) 896 %,3 1<6) 444' UW
2,36. :6 8>84.' 36:64+6= 8 56. .426== ,56 G41< <, =5418241 ; 444' Y[
O ' 82G8; = 58;=' [Y□ 2 3 E 4 A:
2,36. :6 8.9 1<6) 6944,+82 : ,)) *.6 44 □
2,36. :6 8.9 4=8 : ,) 58369 1,'1G,' >8) B E263=' 44' WU
2,36. :6 = 8. =G63 1,'1<6 ,56' 444' [W
2,36. :6 E*396.69 G41< 1<6 96%6. :6 ,% 63*>48 4+' [
*), (1,' 843 384,' &(;' A 2(;&)8,3' 4' ^ ,&)*6 5834)6' 8' W ^ 7&**3 ,%' 4' ' [^ A,1 :,3 & 3,)8,3 9 9)4),33,3 ' 4' [W^ 6D: ,)) *.4:8169' 4' WUX' W U^ 94+4969 4.1,' >*429=' 4' ' ^ %246= 1,' 83) =' 4' WUY^ 1<6 E6314 %,3136== =1,3) 69' 4' WU ^ 5*3>69 ,% <4E6224.6 626) 6.1=' 4' WUX^ <63 8>>36==4+6 GC3=' 4' UW^ 94=8=13, *=%436=' 4' U ' ^ 96%681 ,% , .16 3, :6' 4' ^ E81126 ,% , .18F 56314' 4' W ' ^ 94=) 8, ;% 1<6 :41476.=' 4' W X^ 56, 526 8=5436 1,' 8 =<836 4.'1<6 >, +63.) 6.1' 4' U ^ #82+6=13,' 960 694:4 8: :*=69' 4' Y^ 5, 5*283 +4:B 1,3,' 44 WY^ 4:<626 8.9e =8+6= 1<6 :41;' 4' □^ E81126 ,% , .16:814.4' 4' Y^) 68=*36= 89, 5169 , .' 1<6 96%681' 4' X^ 2,36. :6 %4369 E;' 634 E814' 4' XX^ 8>366= 1,' 5*3:<8=6 *: :8' 44' ' ^ , *1G41169' ' ^ 268>*6= 8>84.=1 1<6 #:828 8) 42;' 44' ^ 536583814, .= %,3 G83' 44' ' ^ 34=6= 8>84.=1 1<6 ! *H6 ,% 1<6.=' 44' U^ 4.'1<6 <8.9= ,%3HR^'3 44' WXX^ 1<36816.4.>= %3,) ' 428.' 44' X ^ 5365836= %,3 G83 G41< O4=: , .14' 44' Y '^ 8' :, *. :42 ,% ! ' <629' I4' Y ^ =*: :6== ,% 1<6 83) 46=' 44' ^ 268>*6= 8>84.=1 38. :6' 44' W '^ G81:<6= 4=8 44' W ^ 6) E8==;' 1,' 38. :6' ;'^ WX^ G83 G41< 894=28*=' 44' ^ 568:6 ,% ==4=4' 44' ' ^ 268>*6= G41< 1<6 ,56' 44' W ^) 694816= E61G66.' 1<6 1G,' , 56=' 44' '^ %841<%*2 1,' <63 82246=' 4 ' ' ^ .6>, 14814, .= G41< 1<6 3681 ,) 58. ; ' 44' W X^ 6) E8==;' 1, ' 38. :6' 44' WX^ 1,' O4=: , .14' 44' U Y^ 36) , .=13816= G41< 1<6 L4.>,% 8526=' 41' ^ 6D6314, .= ,% 1<6 #4>. ,3; ' 44' ' ^ .6G 53,5, =82= ,% 36>, 3; ' 44' [^ %, 364>.' 13896 ,%' 44' UW ^ .>*=14.6 8>6 4.' 44' UWW ^ 98.>63 ,% 1<6 365*E24: ' 44' U U^ 4.829, '96>24 2E4774 89936==6= 1<6 >3681 : , *. :42' ' ^ >6.63, =41;' ,% 1<6 138963=' 44' U [^ :,)) 63:482 =; =16) ' 44' U Y^ 96B %681 ,% O829428) , .8' 44' UUW ^ 568:6 G1<' 86.78' 44' UUU ^ 4: :4.4. ,' 81' 24E631; ' 44' UU ^ 96%681 ,% .><484F4' 44' UU ' 8.9 81 8>>4*, 28' ' ^ 1<3681B 6.69 E;' 428. ' 44' U# ' ^) 896 8. ' 83: <B E4=<, 534: ' 44' U W ^ 96:2836= G83 8>84.=1 1<6 8.H ,%#1 6,3>6' 444' U [^ 568:6 G41< 428. ' 444' XW^ 36%*=6= 1, 36:64+6 <63 6D426=' 444' [' ^ 36%*=82 1,' 13681' G41< , 6, .6' 444' X^ 5365836= %,3 G83 G41< #4D1*=8.9 <4= 82246=' 444' YW ^ 8: :*=6= 1<6 ,56' ' ^ #8378.8 :8541*B 2816=' 444' U U^ 36:64+6 <8326= OT 4+' UY^ 9, *E1%*2 ,% <4= 4.16.14, .=' 4+' [X^ 8283) FE642 =, *.969' 4+' YU^ 4613,' 855, .4 8:A*436= >3681 94=14. :14, .' 4+' YY^ 36. :<' *214) 81*) ' 4+' W^ 36. :< 6.>8>J 1,' 18H6 4=8 %,3 2,36. :6' 4+' Y ' ^ 83) ;' 5849 E*1 . ,' 36=*21' 4+' YX^) * . ;' 4+' ^ 94=5*16= G41< 1<6 H4.>' 4+' W^ 6=836 ,3>48 85B 5,4.169 :85184.F>6.6382' 4+' U^ 8>4B 1814, .' 4.' 1<6 :41;' 4+' ' ^ 38. :6 53,54148169' ,3>48 4= ,396369 ,%%' 4+' [^ 9681<,% ,3>48' 4+' ' ^ ,3B 96369 1,' 36:64+6 1<6 694:4 8= 534+816 :41476.=' 4+' U^ :, .%*=4, .' 4.' 2,B 36. :6' 4+' Y^ %,3:69 4.1,' G83 G41< 38. :6' 4+' ^ 4,+8. .4 960 694:4 8118:H= 1<6 O6.6148.=' F4+' U^ 36B I,4:6= ,+63 1<6 %816 ,% 26) 6.1' 4+' U [^ 34,1=' 4+' U Y^ =*5536==69 E;') 63:6.8346=' ' 4 #83,77 @= 36=,2*14, .' 4+' UUW^ E6=46>69' 4+' X^ %43=1 8=B =8*21 , .' 365*2=69' 4+' W ^ 1<36816.69 364>.' ,%1633,3' 4+' U [^ 56=1426. :6' 4+' UYW^ %822 ,% 2,36. :6' 4+' ' 2,36.14.6 ,)) *.6' 4' '^ 53,16:1 4=8 4' UY^ 6832,' <4=1,3;' 4' U^ 1<643 ' :, .A*6=1=' 4' ' ^ 8) E414, .' 4' '^ 89+8. :4.>' %3, .1463' 8' ^ ' :, 4.8>6 =13*: H ,< 4=8.' 163341,3,' 4' WU ^ 6) B E8==;' 1,' , .4%8:6 O ' 4' '^ 94=B 855, 4.1) 6.1' 44' '^ 36>4=13;' ,% E431<=' 8' Y^ 83:<4+6=' 4' U ' ^ G83 8>84.=1 , *.1 *49,' 4' $), >> ' 8' □$

#46.8‘ 4’))4 36+,4.14,.=’ 4‘ X ‘ T%8.F >,. ‘’ 4’ ‘ =13*>>26 G41< #46.8’ 4’ NH‘4 ,.1821,‘4’ X[‘‘ 2,36.14.6) ,96B 3814,.‘4’ WW ‘ 3,*1 ,%‘ 1<6 4=8.=‘ 81‘ 8=162‘ 962 ,=:,‘ 4’ 22 ^’ 6D569414,.‘ 8>84.=1‘ 3677,‘4’ □ ‘‘ =54341‘ ,% 89B +6.1*36‘4’)4 =.::6==%.2 4.‘1<6 *B >622,‘4’ W ~ =1366‘ E38G2=‘4’ UY‘ E6=46>6 *::8’ 44’ WU‘ =46>6 384=69 ‘ 44’ W ‘ 268>*6 G41< 428.‘44’ W ‘ 96B %68169‘ E;‘1<6 4=8.=‘44’ W‘ 85524B :814,.‘1,‘ 8526=‘44’ ‘‘ 8.9‘1<6 6)B 563,3‘ >S4 6.)41;‘ G41< 4=8‘44’ UU‘ 364>.‘,% 1633,3‘44’ U[‘ +4:1,346=‘44’ W [‘‘ 2,36.14.6 =8:34%4:6=‘44’ WUW‘ 96B %68169‘ 81‘ ,.189638‘4’ W ‘ 96%68169‘ E;‘1<6 .>24=< E8.9‘4’ W[‘ 8338.>6B) 6.1‘ZG41< 8GHG,,9‘4’ W [‘ 4.94>B .814,.‘G41< 1<6 ,56‘4’ W Y‘ :,) 562 1<6‘5346=1=‘1,‘,56.‘1<6‘:<*3:<6=‘44’ W[X‘ G6821<‘44’ W[X‘ 1<6‘36=*21‘,%%38>8241;‘ ‘‘ 6) E8==;‘1,‘ 4=8‘44’ X‘ 94=B 13*=1‘ 1<6‘ O6.6148.=‘44’ X[‘ 6) E8==;‘ 1,‘ 428.‘8.9‘1<6 *=:8.‘:4146=‘4’ YW‘ 268>*6 G41< 26D8.963‘ O‘44’ ‘‘ 94=B :,.1‘,% 1<6 4=8.=‘44’ ‘‘ 6.>8>6 1<6‘ L4.>‘,% 8526=‘8.9‘ %366‘28..6=‘44’ X‘ 36%*=82‘1,‘36:,>.4=6 236>,4;‘44’ ‘ 2,36.14.6‘ 6D56.941*36‘4’ [‘ 2,36.14.6‘ =18.9839‘,‘1<6 8541,2‘4’ [U‘ 3 : S 1‘44’ U [‘‘ G6821<‘8.9‘ 4.%2*6.:6‘44’ UWW‘ 568:6‘ 5831;‘ 96B %68169‘44’ UWX‘ 6) E8==;‘1,‘7 83B 14.‘O‘44’ U W‘ <4=‘4.94>.814,.‘44’ U ‘‘ =6:,.9 6) E8==;‘44’ U Y‘ >2,,);‘ %,36E,94.>=‘44’ U ‘‘ =:=16)‘,% 18D8B 14,.‘44’ U[‘ +8=1‘ 6D56.941*36‘8.9‘ <,G‘53,+4969‘%,3‘44’ U[U‘ 1<6‘:8=1818 44’ UYY‘ 1<643‘4>.,38.:6 ,% 534.:4526=‘ ,%6:..)‘44’ U ‘ <8169‘ % *::8 444’ W ‘ G83 G41<‘ *::8’44’ U‘ *::8’ E6=46>69‘E;‘444’ ‘‘ 384=69‘E;‘#%,378 444’ W‘ E34E69‘E;‘ 2,36.14.6=‘<6‘G41<F 938G=‘444’ W‘ 5,24:.;‘8=‘36>839=‘ 428.‘ 444’ WY Y‘ 6) E8==;‘1,‘ #4D1*=‘ O‘44’ ‘ ^ 41=‘36:6514,.‘444’ X‘ %4.8.:6= Z444’ WX ‘ .6G‘:8=1818‘444’ WXX‘ =6.9= 8.‘6) E8==;‘1,‘ 826877,‘O4=:,.14‘444’ Y‘ =*)),.69‘1,‘:.,%43)‘,36.7,‘96@ 694:4 4.‘<4=‘%81<63@=‘528:6‘444’ YU‘ 365*1814,.‘,% ‘‘ 2,36.14.6‘53,F =563444% *.963‘,36.7,‘96@ 694:4 444’ UUY‘ +46G=‘,.‘ 4=8‘4+‘W X‘ 96B %68169‘4+‘ W ‘ 134)) 4.>‘4+‘ W‘ >,=14.‘,‘ 855,.4@=‘:,.=5438:;‘4+ F U‘ 13681‘%,3‘8‘:8541*2814,.‘4+4 UX ,.18.8E*,.8‘96=631=‘G41<‘<4=‘=,29463= 4‘X ,3:69‘2,8.=‘4.‘2,36.:6‘44’ YU ,3:6=‘,55,=69‘1,‘2,36.:6‘4‘ Y ,364>.‘8.9‘9,)6=14:‘5,24:.;‘,% 2,36.:6 :.,)58369‘44 ,364>.‘626)6.1=‘,%5,5*2814,.‘4‘ W ,364>.‘)63:6.8346=‘98.>63,*=‘1,‘822 #1816=‘44’ ,364>.‘ ,96=1C‘626:169‘4.‘2,36.:6‘4‘ X ,324‘96=:34E69‘44’ UWY ,316E38::4 m 38::4,I‘8334+6=‘81‘2,36.:6 44’ U ‘ 36184.69‘E;‘1<6‘2,36.14.6=‘ %,3 1G,‘;683=‘44’ U Y ,316E38::4 m 99,I‘H42269‘44’ UUW ,316E38::4,‘8.9‘2E4774 8>366‘1,‘8118:H‘ *::8’444’ W[‘‘ E,8=1‘,% ,316E38::4, 444’ WX‘ 855,4.169‘:,)) 8.963‘444’ U‘ 1368:<63;‘,%1<6‘:,)) 4==4,.63=‘444’ [‘‘ E6268>*63=‘ *::8’444’ ‘‘ =*563=6969‘ 444’ ‘‘ 5,4.1=‘,*1‘1<6‘98.>63=‘,%1<6 .6G‘528.=‘444’ ‘‘ 83);‘96%68169‘444’ [,316E38::4,‘E6=46>69‘4.‘ ==4=4‘444’ X ‘ 36246+69‘E;‘8‘ 428.6=6‘83);‘*.963 4::4.4.,‘U‘‘ 3,*1=‘4,.6‘#%,378‘8.9‘ 4=‘96%68169‘4.‘1*3.‘E;‘#%,378‘444’ XW‘ 946=‘,%<4=‘G,*.9=‘ ,314%4:814,.=‘,% 2,36.:6‘4+‘ W ,*.9814,.‘,% ,>>4E,.74‘8.9‘ ,226‘ ‘ [X 3C‘ !,)6.4:,@=‘4.94=:3614,.‘4+‘W 3C‘ ,34826@=‘:,.=5438:;‘44’ W ‘ <4=‘ 8336=1‘8.9‘6D6:*14,.‘44’ W [38.:6‘:284)=‘ 8526=‘%,3 T,<.‘,% .I,*‘ 44’ X‘ 2,36.:6‘>38.1=‘T,<.‘8‘=*EB +6.14,.‘G<4:<4=‘=*=56.969‘E;‘ ,=),@= 89+4:6‘ 38.:6=:<4 9616:169‘18)5634.>‘G41<1<6‘ :,)) 8.963‘,%8‘:41;‘E8=14,.‘4+‘ W 38.:6=:‘ 8=138:8.6‘8116)51=‘1,‘=6476‘ *::8’44’ ‘‘ 4=‘96%68169‘ F 38.:4=‘ ‘:3,==6=‘1<6‘ 25=‘4+‘ [‘‘ ,+633*.=‘1<6‘9*:<;‘,% 428.‘’‘‘ 8224B 8.:6‘,%1<6‘,56‘8.9‘ 38.:4=‘1,‘53,B 16:1‘68:<‘,1<63@=‘9,)4.4,.=‘4.:2*94.> 2,36.:6‘4+‘ [‘‘ 8E8.9,.=‘822‘),.6;‘ :284)=‘,.‘2,36.:6‘4+‘ [[38.:4=:8.@=‘m1<61‘:<8226.>6‘4+‘W 38.>458.6‘mm 8394.82I‘=6.1‘1,‘2,36.:6‘1,‘ 36=1,36‘568:6‘4‘W [3816=:<4 m1<61‘,3‘%,22,G63=‘,% #8+,.8B 3,28‘4+‘ WU ‘ 4.‘1<6‘8=:6.98.1‘4+‘ W[Y‘ Z 3814‘ 8*96.14‘4‘WY 38*9*26.1‘626:14,.=‘44’ 3694O’:H 83E83,==8‘:3,==6=‘1<6‘ 56.B .4.6=‘4‘Y‘‘ :822=‘2,36.:6‘1,‘8:,,*.1 4‘YW‘ 4=‘36:,.:4269‘1,‘1<6‘,56‘4‘Y‘‘ 96:2836=‘2,36.:6‘96534+69‘,%822‘I*34=B 94:14,.‘,+63=*33,*.94.>‘163341,3;‘‘ 4 8.9‘18H6=‘1<6‘:3,==‘4‘Y ‘)661=‘E4=‘ 9681<‘%3,)‘E81<4.>‘4.‘1<6‘;9.*=‘ 369634:H ‘ ‘ W W‘ E4=‘:<838:163

E431<’ 8.9’ 5836.18>6’ ’4’ 6D:,)) *B .4:8169’ 4’ W ’ 62814,.’ ,% <4E6224.6’ .,E26=’ 4’ W ’ 89,51’ 1<6’ 3822;4.>’ :3;’ O4+8’ 58316’ <4E6224.8 (’ ’4 ’,55,B =414,.’ 1,’ 1<81’ ,% 58316’ *62%8 (’ 4’ 96=563816’ %4><14.>’ 4.’ 1<6’ =13661=’ 4’ ’4’ ,E184.=’ <,=18>6=’ 3669,) ’ 4.’ 1<6’ E828.:6’ 4+’ U[U’ 2,B 36.14.6=’ 85528*9’ ,.6’ ,54.4,.’ 8.9’ +,16’ %,3’ 8.,1<63’ 3669,) ’ ,% 4.94+49*82=’ .,1’ *.963=1,,9’ E;’ 1<6’ 2,36.14.6=’ 4’ X 366’ 28.:6’ :85184.=’ 44’ [Y’ 6+42=’ 8116.9B 4.>’ 1<6) ’ 44’ W U 36.:<’ 6D569414,.’ 1,’ 182;’ 4+’ ’ 41=’ 9628;=’ 4+’ ’ 8334+82’ 81’ *34.’ 4+’ 36.:<’ G8;=’ 8.9’) 68.=’ 4+’ X 36.:<’ 83) 46=’ 4.’ *.4>48.8’ 4+’ U 36.:<’ 94=<,.6=1;’ 4+’ Y 36.:<’ 6+8=4,.’ ,% 1<6’ :284) =’ ,% 1<6’ #4>F’ .,3;’ 4+’ 36.:<’ +4:1,3;’ 81’ 8+6..8’ 4+’ W’ 934+6.’ ,*1’ ,% 182;’ 4+’ 36.:<’ =:<6) 6=’ %,3’ =*E+6314.>’ 1<6’ 694:4 4.’ 2,36.:6’ 4+’ X 36.:<’ :,*3463’ 8336=169’ 4.’ 2,36.:6’ 4+’ X’ ’ <4=’ :,.%6=4,.’ 4+’ XX 36=:,E8294’ 828:6’ 8118:H69’ 44’ Y 36=:,E8294’ m 6314l’ :,*.=62=’ 36=4=18.:6 4’ *:6::<4,’ ,.’ 1<6’) ,’ 4’ W W *.:14,.=’ ,% 1<,’ 85184.=’ ,% 1<6’ *625<’ 5831;’ 44’ W *.6382’ <,.’ *3=’ 4’ Y’ *.6382’ ,% *=14:.’ 8346..226’ 4’ W ^ *,3*=:414 (’ 1<6’ 3822;4.>’ 5,4.1’ ,% 1<6’) 4.,341;’ 4’ W

< ’ 8.9’ ,.16>*494’ =66H’ 53,16:14,.’ ,% 1<6’ ,)) ,.G6821<’ 44’ U 828’ 9,4.>=’ 81’ 2,36.:6’ 444’ W ’ 8) E8:,314’ :8*14,.69’ E;’ 1<6’ #4>.,3;’ 444’ [X’) *396369’ 44’ [8=1,.’ 96’ ,4D’ 18H6=’ ,2,>.8’ 4+’ W’ ^ <4=9681<’ <683’ 8+6..8’ 4+’ ’ 6.6382’ :3;’ %,3’ 36%,3) ’ 4+’ X 6.6382’ 568:6’ ,% 182;’ 444’ U W 6.6382’ G4224.>.6=’ ,% 1<6’ 2,36.14.6=’ 1,’ =*%%63’ %,3’ 1<6’ =8H6’ ,% 24E631;’ 4+’ W ’ 6.,8’ 18H6.’ E;’ 1<6’ !*H6’ ,% 428.’ 44’ U Y 6.,6=6’ 94=:,.16.1’ 44’ Y ’ 6.,6=6’ 36+,21’ 444’ W W’ 6,%%3,.;’ ,% ,3384.6’ 8.9’ 8122944’ 4’ ’ 63) 8.’) 563,3’ 8>84.’ 4.’ 182;’ 44’ zU ’ 63) 8.’ %6*981,346=’ 4’ UW’ ^ 1<643’ 546F’ 981,3;’ 538:14:6=’ 4’ U’ ’ ,.16’ ,.4 8=126’ 18H6.’ 8.9’ 38769’ 4’ W’ ^ ,*.1=’ .494’ 4’ [

<638394.4’ 83>*6=’ %,3’ 9628;’ IR8;=’ 1<6’ %4.6’ 8.9’ 83>*6=’ =1422’ 4’ W <638394.4’ 96228’ ,=8’ 44’ X E4E6 4.6=’ 8.9’ *625<=’ ’ X ’ ,34>4.’ ,% 1<6’ .8) 6’ ’ W U E4E6 4.6=’ =*3534=69’ 81’ 4><4.6’ 4’ W ’ ^ G41<938G’ 4.1,’ %,314%469’ <,*=6=’ 4’ W ’ ^ 1<643’ 1368:<63;’ 4’ W Y’ ^ :,.=5436’ G41<’ 8.%369’ 4’ WU[’ ^ E618H6’ 1<6) =62+6=’ 1,’ #46.8’ 4’ W <4E6224.4=) ’ 6D14.:1 M’ [W’ ^ =*55,3169’ 4.’ 2,36.:6’ E;’ 563=6:*14,.’ 4’ ’ ^ E6:,) 6=’ 6%%616’ 44’ WY <4E6314’ m ,36.7,I’ 44’ UW 48.,’ 96228’ 6228’ 6D4269’ 4’ U 48.,77,’ #8::<6114’ 44’ U ’ ^ <4=’ %,3>63;’ ’ 94=:,+6369’ ’ ^ 13469’ 8.9’ 6D6:*169’ 4,+8..4’ >*1,’ 44’ WU ’ ^ <4=’ 261163’ 1,’ 1<6’ ,)) ,.G6821<’ 44’ U 4,+8..4’ 960’ 694:4’ 44’ UW @ 4,+8..4’ 96226’ 8.96’ 636’ 4+’ XW’ ^ <4=’ 94==814=%8:14,.’ 4+’ XU 4,+8..4’ 962’ ,=:,’ 4’ W W 4,+8..4’ !4.4’ 89) ,.4=<69’ 44’ WX 4,+8..4’ ’ ,% 8526=’ 44’ ’ ^ =*E) 41=’ 1,’ 1<6’ ,56’ 4,+8..4’ 8) E8:,314’ 53,5,=6=’ 163) =’ 1,’ 1<6’ 2,36.14.6=’ 44’ ’ ^ =*E) 41=’ 1,’ 4.,’ 855,.4’ 44’ 4*94:4@=’ <4=1,3;’ ,% 18248.’) *.4:45824146= 4’ ’ [,29’ :*336.:;’ 4.’ 2,36.:6’ 44’ W ,296.’ m1<,I’ 8>6’ ’ 41=’ =<4%14.>’ 638’ 4’ X ’ ,296.’ 3,=6’ 536=6.169’ E;’ ,56’ 8314.’ 4’ X ,.%,2,.463’ ,% 1<6’ 314’ 24’ WXX’ ^ ,% 1<6’ *429=’ 44’ W ,,9’ %,31*.6’ ,% ,36.7,’ 960’ 694:4’ 444’ ’ [,,9’) 8.8>6) 6.1’ ,% %,364>.’ 8%%843=’ ’ W Y ,,9’) 6.’ ,% 1<6’) ,*.184.’ 4’ W 38.94’ <,G’ 3653,9*:69’ 44’ W W 38.94’ ,55,=69’ 1,’ ’ #8.14’ 38.9’ 1,*3.8) 6.1’ 81’ #8.18’ 3,:6@444’ W 38+4.8’ m ,.16’ 944’ 4.’ 2,36.:6’ 4’ W W’ ^) 8H6=’ 568:6’ G41<’ 3677,’ 4’ F 3681’ ,) 58.;’ 1<643’ %43=1’ 6D52,41’ 44’ W [’ ^) 83:<’ 8:3,=’ 1<6’ 56..4.6=’ 44’ W Y 3681’ ,*.:42’ ,% 1<366’ <*.9369’ 44’ [’ ^ 96163) 4.6’ 1,’ =6.9’ 8.’ 6) E8==;’ 1,’ 26B) 6.1’ 4+’ ’ ^ 41=’ %842*36’ 3681’ ,*.16=’ m1<61’ 4’ ’ ^ <63’) 83348>6’ G41<’ *625<’ 4’ W’ 3681’ %436’ 4.’ 2,36.:6’ 4’ U 36>,3;’ 8.9’ 814298’ 1<643’) ,14+6=’ 4’ 36>,3;’ V’ 6.163=’ 2,36.:6’ 4’ W W’ ^ 6.8:1=’ 568:6’ E61G66.’ *625<=’ 8.9’ E4E6 4.6=’ 4’ W ’ ^ <4E6224.6’ :8=126=

>4+6.' *5' 1,' <8326=' '^ <4=' 8314%4:6 %,4269' 4 ' '['^ 4.' 94%%4:*2146=' 81' #46.8 44' UY'^ 36%*=6=' 1,' I,4.' 1<6 ,*.:42 81' 4=8' 44' U'^) 84.184.=' <4) =62% ,.' 1<6 26%1' E8.H ,%1<6 4E63' 44' [' 34) 8294 E3,1<63=' E,292;' 8+,G 1<6437 5438:;' 44' U X'^ E*1' G422 8E8.9,.' 1<6 ' 34><1' %,3 8' 446.=4,.' 44' UW ' *821 3699,11,' ,% 428.' :<,=6.' ,96=1C 4' X[*8398) ,31,' ,G63' 4' W Y *83.4634@=' %366 :.,) 58.;' 44' W *::4,' *::4,.6@=' 8) E8==89,31,' #43 T,<.' 8GHG,,9' 4 ' UU *625<4=) 9;4.>',*1' 44' WY *625<4=)' 4.' 182;' 44' W Y'^ 4.' 2,36.:6 44' *625<',%#*8E4.' 4' W *625<=' 96:64+69' 4' W '^ 5831;'=*55,=69 1,' E6 96=13,;69' 4' W '^ 41=' +418241;' 4' W W'^ %,3136==' ,% 853848' 44' '^ 1<643) ,963814,.' 4' W X'^ 18H6 36%*>6 4.' ,2,>.8' 4' WYW *625<=' 8E8.9,.' 1<6 :41;' 4' W[U' *625<=' 8.9 <4E6224.6=' 4' X' '^ 81' ,B 96.8' 4' WYW'^ ,34>4.',%1<6 .8) 6=' 4' W U *4::48394.4 8=' ,.%82,.4636' 44' U ' *4::48394.4 8.9 *::4 36528:6 1<6 :,) B) 4==4,.63=' E6%,36 *::8' 444' ' *4::48394.4@=' 8==6314,.' 444' Y ' *4::48394.4@=' 9482,>*6' 444' UU'^ ,.' 24E631;' 444' UU *4::48394.4@=' :<838:163 ,% ,36.7,' 96@ 694:4' 4+' *4::48394.4@=' 6=14) 816 ,% #8+,.83,28' 4+' U *49,' *6338' 4' YX'^ >38.1=' 8' :,.=141*B 14,.' 1,' <4=' 56,526' 4'

▫ =G41<4.' 1<6 :41;' 44' = 8GHG,,9 m#43 T,<.I' 44' WU ' 8GHG,,9@=' 9681<' 44' 689=' ,% 8>366) 6.1' E61G66.' <8326=' O ' ,% 38.:6 8.9 2,36.:6' 4+'))) ' 6.3;' ,% *D6) E,*3>' H4.>' ,% 1<6 ,) 8.=' 4' '^ 4=' :3,G.69 81' ,) 6' W '^ 9681<' 4' UW 6.3;' 1<6 <439 m) 563,3I' ' W 63,4:' 96%6.:6 ,% 1<6 :41476.=' 4+')G)' ^ ' ,,3' E*1' %366M(' 1<6 G81:<G,39 4.' 2,36.:6' 4+' [4296E38.9 8.9 1<6 ,*.16=' 814298' 1<643) ,14+6=' :,.=496369' 4' 4=1,3;' 5% 2,36.:6' 1<6 =1,3;' ,% <63 96:8;' 44' =1,34:82 :<8.>6=' 53,9*:69 E;' 14) 6' 44' W[Y 4=1,34:82 6+6.1=' 8.9 :828) 4146=' 44' #' ,2;' ,) 8.') 5436' 4' W ,=18>6=' 18H6.' %3,)' =*EI6:1 1,G.=' 4+' ,=5418241;',%1<6 6) 774' 4' ' ,=14241;',%1<6 .,E26=' 1,' 1<6 !*H6 ,% 1<6.=' 44' U ,*=6 ,::*5469 E;' 1<6 34.:6 ,% 38.>6 =,29 %,3 41=' %*22 +82*6 9*34.>' 1<6 =46>6 4+' WU ;5,:3414:82 6D:*=6=' ,% 26) 6.1' 4+' ' ~ O 4' 44' W '^ 1<643 94%%4:*2146=' 44' W W %' G6:,*29,.2;' >61 4=8' M 4+' ' ,) *.6 94 436.76' 4' Y ' 8>.4%4:,@=' 9681<' :8=1=' >2,,)' ,+63 2,36.:6' 4+' ' 828:=,' 38769' 4' W [ ) E6:4241;',%1<6 ,)) ,.G6821<' 44') E6:4241;',%1<6 8394.82' ,% ,31,.8' 4+' UU'^ 96163) 4.6=' 1,' 8E8.9,.' 1<6 :41;' G41<' 1<6 694:4' 4+' U)) ,38241;',%1<6 18248.' :,.16) 5,38346= 444' Y) 563482 8*1<,341;' 4.' 182;' 4' WW) 563482 :284) =' ,.' 1<6 56,526' 44' WU) 5634824=) ' 4.' 2,36.:6' 422' W) 5634824=) ' 4.' 182;' 4' U'^ 6.3;' O :3,G.69 E;' 8=:82' O4:83 81' #8.' 4.481,' 4' UU'^ 96%6816 81' ,*.1 328.9,' 4' U'^ =;) 581<46=' ,% 3677, 4' [ ) 563482 O4:83 H42269' 4' U) 5,2414:' :3*621;' 1,' *::8 28 .9.=234,=8 4' '^ %,31*.816 36=*21 %,3 2,36.:6' 4' W) 5,16.:;',%1<6 ,+63.) 6.1' 44' WU) 534=,.) 6.1',% 8.9e' 44' WW Z4) 534=,.) 6.1' ,% 1<6 8) E8==89,3=' 81' ,) 6' 44' WX) 538.618 m 28:H O43>4.',%I' 44' Y .8:14+41;',%1<6 >*429=' 44' X .:858:41;',%1<6 48.:<4' 4' [%14:,) 5814E4241;' ,% 16) 5,382 8.9 6::26B =48=14:82 #1816=' 4+' UW .:368=4.>' 94%%4:*2146=' ,% 2,36.:6' 4+' WW .:368=4.>' G6821<' 8.9 53,=56341;' ,% 2,B 36.:6' 44' U .:368=6 ,% 534:6 4.' %,,9 8.9 >,,9=' 44' WY[.:368=6 ,%1<6 :41;' 4' .:368=6 ,%1;38..;' 4.' 2,36.:6' 44' W .:*3=4,.',%1<6 #46.6=6 %3,.1463' 44' X 2449656.96..:6 ,%1<6 E8.941=' 44' X 4.96=13*:14E4241;' ,% 18248.' 5 43146=' 44' W ' '' .94:814,.=' ,% 8.' 6832;' 2,36.14.6' :,) B) *.41;' 4' W ' .94>.814,.' ,%1<6 E83,.=' 81' 1<6 8) E8=B =89,3=' 44' W .94>.814,.' ,%1<6 :41;' 44' WX

.94+49*82=) 8H6 1E643 ,G. %816 44
W Y
.9,) 418E26 =54341 ,% 1<6 2,36.14.6= 44
W ^ ;>24=<%366 28. :6= 8>84. ,55,=69
1, 1<6)
.9*=13:, % 2,36. :6 44 W Y
.%8) ,*= : , .9*:1 ,%1<6 ! *H6 ,% 633838
4+
.%6==*38@= 8==6314, . 444 WW
. *6. :6 ,% ,54.4, . 8= ,55,=69 1,) 8B
16348Z %,3:6 4
.9446. :6 ,%1<6 858: ; 4 ^ 44 Y
.9*6. :6 ,%1<6 36+4+82(, . 5,2414:= 44
X
.%2*6.1482 5,=414, .= <629 <; 2,36.14.6=
44 UWW
. . , :6.1@= 8) E8==89,3= 4. 2,36. :6 44
WX
. . , :6.1 O @= 9681< 44 U
. . , :6.1 O 626:169 ,56 444 U
. . ,+814, , , . 1<6 2,36.14.6 :, .=141*B
14, . 4 U
.A*43; E; 1<6 2,36.14.6= ,% 1<6 ,56
4
.A*4=41, 3= :<,=6. 4 W ^ 1<643 E3*B
18241; 44 W
.=,26. :6 ,%1<6 E34>8.9= 44 WW
.=*336:14, . 8E3, 89 44 X
.16. =41; ,% 5*E24: %6624.> 81 2,36. :6 44
[
.163%636. :6 4. :368=6= 5831; %6624.> 44
W X
.163. 82 94=: ,39 81 2,36. :6 4 U
.163. 82 94==6. =4, .= 4 XW
.163. 8 =134%6 4. 2,36. :6 44 XX
.163. 6:4. 6 G83 4. :,) 5814E26 G41<
>6. 6382 53, =56341; 4 Y
.16336>. *) 81 ,) 6 4+ XW
.163+6. 14, . E61GJ6. 3+461, 8. 9 63*>48
4 WWU
.134>*6= ,% 48. >826877, O4=: , .14 44
U
.134>*6= ,% 48. ,77, #8: :<6114 81 89*8
44 UW
.134>*6= %, 3 1<6 5, ==6==4, . ,% 4=8 44

. *. 9814, .= ,% 1<6 4E63 4 W
.+8=4, . ,% 2,36.14.6 163341, 3; 44 X
.+41814, . ,% 1<6 L4.> 1, 1<6 2,36.14.6=
1, 6. 163 4.1, 8 268>*6 G41< <4) 44
Y
.+41814, . ,% 1<6 5,5,2,) 4. *1, c 44
W F
=, 2814, . ,% 2,36. :6 4+ WU ^ T
18248. :4+424=814, . 4 ^ 41= E342248. : ;
^ 8E3*51 163) 4. 814, . 4 U ^ :8*=6=

18248. %6*9824= 4
18248. 268>*6 8>84. = %, 364>. 63= 4+ UW
418248. 268>*6 ,% 1<6) 563, 3 1<6 L4.>
R,% 38>, . 1<6 #%, 378 ! *H6 ,% 428.
* , "*

8. 9 2,36. :6 8>84. = 38. :6 8. 9
O6.4:6 4+ [W
18248. 268>*6 1, 934+6 ;* %, 364>. 63= 44
WX ^ 41= =*: :6= 44 ^ 94+4=4, . ,% 1<6
=5, 42
18248. 583146= , . 1<6 9681< ,% 42455, F
8348 O4=: , .14 444 W[
18248. =, :482 5<42, =, 5<; 444 UUW
182 ;% , 3 1<6 18248. =@ 5, 24: : 4+ U X
182 ;4. +, 2+69 4. 1<6 6: :26=48=14:82 13, *E26=
,%1<6 14) 6 44 UU
182 ; 268>*6= 8>84. = 1<6 O6.6148. = 444
UW
182 ; , . :6) , 36 4. 83) = 444 U

= . =@ 7 >> 444 Y
T8: , 5, #: <48116=4 44
T682, *=; 8. 9 94=13*= ,% 1<6 ,+63. , 3= ,%
=1816 44 X
T6=32, *=; 8. 9 1; 38. . 4:82 5, G63 1<6 6+42 4.
2,36. :6 44 W X
T682, .=; E61G66. 2,36. :6 8. 9 O6.4:6 444
^ I682, *=-; ,% 2,36. :6 ^ ,*4=
6. 163= 4=8 G41< , .6 >8226; 4 [^
4= E84269 L4. > , %#4:42; 8. 9 T63*=826)
8. 9 , .%82, .4636 ,% 1<6 <*3: < 44
[W
T42169 E3496 44 W
T, <. ,% ,<6) 48 18H6= 5, =6=4, . ,%
*: :8 44 W ^ A*41= 182 ; 8%163 5269>B
4. > 41= : <46%: 4146= 44 W[
T, <. @= 8334+82 4. 2,36. :6 <4=) 4=%, 3B
1*. 6= 8. 9 =*E) 4==4, . 44 XX
T, <. m , 561 +4=41= 2,36. :6
T, <. , % . I, * 444 X
T, <. @= 9681< 4. 2,36. :6 <4=) 8>. 4%266*1
%*. 6382 : , =1 1, 1<6 #4>*, 3; 8. 9 *625<
2R831; 44 U
T*9>) 6. 1= 4. 2,36. :6 4+ U
T*24*= 626:169 ,56 4+ ^ <4= : <8B
38:163 ^ ,56 8. 9 L4. > 81 6.) 41;
G41< O6.4:6
T*=14:6 ,% 1<6 2,36.14.6 8*1<, 34146= 4
W X

? ,% 8526= 36=4>. = ,) 6 44 U U
L4. > , E631@= O4:83= 81 2,36. :6 4 UY
L. 4><1<, , 9 : , .%63369 E; 1<6) , E , .
694:4 8. 9 , 1<63= 44 WW
L. 4><1<, , 9 : , .%63369 , . #82+6=13, 8+4:F
:4*24 44 W
L. 4><1<, , 9 : , .%63369 , . 1<6 =18. 9839F
E68363= 44

  4 . 3 3 2 2 .
44 W
894=28*= L4. > ,% 8526= 44 UY ^ 18H6=
5, ==6==4, . , % ,) 6 44 UX ^ <4= 96B
) 8. 9 , %1<6 #4>. , 3; 44 ^ 1<36816. =
1<6 2,36.14.6= 44 W ^ 89<636= 1,
36>, 3; 42 ^ <4= : ,) 5284.1= ,% 2,"

N N

36.:6'44' '^ 536583814,.=%,3G83'44 'f)83:< ' *,.:,.+6.1,'44'^ [^ <4=6)E8=;'1,'#46.8'U'4#46.896:24.6= 1,'268>*6 8>84.=1'1<6 2,36.14.6='4 [^ :,)5284.1',%1<6 2,36.14.6=1,' 1<6#4>.,3;'44' [FY^ <4=36+6.>6,.' #46.8 8.9 3677,'44' '^Z=*6=%,3 568:6'44'T[U^ G<4:<'4='>38.169',.' :,.9414,.',% ,31,.8 E64.>'36=1,369' 8.9 2,==6=)896 >,,9 .'4 36=*)6= c<4=4.134>*6='44' YY^ =6476= ,3.6 44' Y'^ =6476=,.'822 2,36.14.6 53,B 5631;'4.' ,)6'44' YX^ 2,36.:6 8>84.'5365836= %,3G83' '4 6.163= ,3.6 G41<'8' >3681 83);'44' ^)83:<6=,*1'44' W^ 9681<',% 894=F 28*='44'

8 4=634:,3948 ('44'X

8.:6='1<643'8116.98.1='44' //

8.9,',% *EE4,'1<6 83>622,'4' [^ <4=:,)58.;'44'W Y^)896'534=,.63' 44'W X^ <4=8)E414,.= +46G='44' 22'^ <4=:851*36'44'WW

8.9,'m ,*.1 =6.9=<4= >8>6 ,%E81126' 44' □^ <4=%24><1'

8.9,'m 4:<626 :<,=6.' ,.%82,.4636'44' '^ ,3963'36=1,369'E;'44' '^2,=6= <4=8*1<,341;'8= .%82,.4636'44' X^ <4=*::6==6=8= .%82,.4636'44'

816.1':8*=6=',%:4+42 G83'4'W Y

8+8>.,'m ,.16 98I')563482'c 4:83'4' W '^ :,.1*)8:,';,%1<6 *=:8.':4146=

8G=',%1<6 4,)54'44' 'I

8G=',%1<6 *62524='44'W W

8;'8.9'5346=12;'1;38..;'4'WU

68963=',%1<6 5,5*28:6'44' Y

6894.>%681*36',% 2,36.14.6 <4=1,3;'44' [Y

68>*6,% 8)E384'4+' U

68>*6,% 2,36.:6' *::8'#46.8' 4=1,48' 381,'8.9' 6.,8'8>84.=1' 4=8' 'WX[

68>*6,% 2,36.:6'06.4:6'8.9' ,)B E839;',.',.6 <8.9'8.9',% ,56 #4D1*=0'8.9'1<6'L4.>',% 8526=',.' 1<6',1<63'444'

68>*6'G41<',2,>.8'44'

68>*6'G41<'06.4:6'4+' Y'^ 06.6148.=) 8=163=',% ,)E839;' '4 =6476 36B),.8'8.9' <483898998'

683.69')6.',% 2,36.:6'444'W Y

6><,3.'5*3:<8=69'E;'1<6 2,36.14.6='44' U ^ 41='4)5,318.:6'

6><,3.'=*336.96369'1,' 38.:6'44' W '^ 2,36.:6'53,16=1='44' WU *:4:8*21' =6476=822'1<6 2,36.14.6 53,5631;'4.' 6.,8 14

6.1'4.' 2,36.:6'444'

6,'V'8.9' 38.:4=')661'81' ,2,>.8 4+' [

48E4241;',%362814,.=4.' 2,36.:6'4' W

4E63814,.',% ,*.1' 8.9,'44'WW[

4E63814,.',%1<64)534=,.69'8)E8==89,3='44' X

4,.6@=m 4613,I'%816'444'U[Y

416381*36':*214+8169'4.' 2,36.:6'44'UW

416381*36',% 96=5,14=)'444'UUX'

,)E8394@=m 83:,I'53,5<6:;'4'WXY

,39=<45',% 2,36.:6',% 6369 1,' <8326= %,3 16.';683='4'WYX

,36.7,'960 694:4 6D4269'1,'O6.4:6'44' [Y^ <4=9681<':82269 1<6=6114.>',% 1<6=*.('4+'

,=1,'1<6 1368=*3;'44'

,*4=',% .I,*=*55,3169'4.'<4=:284)' E;' 8526='44' X'

,*4=',% 8+8348'81' 4=8'4'X^ =6476= *::8' '^ =61=*5 *:8 38.:6=:,' 8=138:8.6 8=O4:83' '^ :,.=*21=1<6 #4>.,3;'44' U

,*4=V' ,% 38.:6 36A*436=8'=24><1 %8+,*3,%1<6 ,56'4+' '^ 41=534:6' '^ :3,==6=1<6 25='4+' Y'^ 4.' 8248.:6 G41<1<6 O6.6148.= =6476= 428.'4+' Y'^ 8>366)6.1 G41<2,B 36.:6' '^ 428.6=6 36+,21'4+' Y[^ 36:,+6369'8.9 *9,+4:,':83346 5 34B =,.63'4.1,' 38.:6'4+' Y^ <436=,*1 <4=83)',1,'18H6 4=8%,3 2,36.:6'4+' YX^ 41='%842*36'8.9',.=6A*6.1':,)B 5284.1='4+' ^ =*55,=69 6)52,;B)6.1',% 6=836 ,3>48'4+' '^),.6, 94=5*16= G41<2,36.:6'4+' [^ <4= I682,*=;',% 8D4)4248.'4+' '^ =6.9= 13,,5= 4.1,' *=:8.;' '4 36:,+63= 3677,'4+' X^ <4=9681<'4+' [W

::8' 41='5,=414,.' E61G66.' 4=8' 8.9 2,36.:6'4'WU ^ G83'G41<4=8' '4 2,36.:6 4.163%636=' '^ 4=8.= 96F %68169' '^ 36)84.= <4E6224.6'44' '^ 28'4.9=134,=8'44'X^ =,29'1,'#54.,28 44' □^ 5269>69'1,'1<6 ,==4%8)42;'44' W[^ 5*3:<8=69'44' '^ 36=1,369'1, 24E631;'E;' 2,36.14.6'),.6;'8.9':,*.B =62'44'W U^ =1422'8.',EI6:1',% 2,36.14.6 :*54941;'444' ^ 36=4=18.:6',% 1<6 *::<6=6'444'WW'4 :284)= 46138=8.18 444'U [

::<6=6 13681;'4' [' ^ 4.+4169'1,'=:B :,*3 1<6#4>.,3;'4' XW^ :822=,.'O4=B :,.14%,3 8==4=18.:6'444' '^ E6<8+4,*3 4.' 36%636.:6 1,' 4=8'4+' WY^)8H6 568:6'

*9,+4:,'42 ,+,'855682=1,' 2,36.:6'444' ?Y[^ <4=<4=1,3;'4+'WW^ 8E8.9,.69 E;'<4=13,,5=4+'Y'^ 9681<' *D*3;'4.' 2,36.:6'4+'W X'

4 8@ ;'365*1814,.'4'UWW^ <4= 42 34.:456('444'[X^ ,.' 694:68.' 5,24:;'444'X'^ ,.') 6946+82 E81126= 444'W U^ <4=8::,*.1',% 1<6 E81126',%

) ,28'424' '^ , .'1<6' 8774'8.9' 4834,'
:',.=5438::' 444' '^ 42' 34. :456' 96B
=:34E69' 444' U X
8>82,114'=6.1'1,') 46' 4,) E4. .' 44' W[
8>.4%4:6.1' 536=6.1=' ,% 1<6' #4>. .,3;' 1,'
1<6' :8394.82=' 44' X ^ 8.9' 8>9. ' 44'
X FX
828=54.8'm 83:<6=6'TI4, .839, I',% A*428'
44' X '^ 52,1=' 1<6' 96=13*:14, .' ,% 1<6
' O633*:,28' 8' 38::,) 8.9814' %8) 42;' 44'
XU^ 1<6' #4>.,3;' 4.A*436' 4.1,' 1<6'
=1,3;' 44' X[^ 5*.4=<' 1<6' ,%%6.963' 44'
XY
828=54.4' m 83:<6=6I' E6>=' %,3' 1<6' 53,B
16:14, .' ,% 2,36. :6' 44' W[
82816=18' m 8.9*2%,I' 855,4.169' >6.6382'
44' WU ^ :284) =' 283>63' 5,G63=' 44' WU ^
5*1=' <4) =62% 81' 1<6' <689' ,% 8' E8.9' ,%
%366' 28. :6=' 44' [[^ :284) =' 1<6' 34><1'
1,' =*55,31' F1<6) E;' 54228>6' '^
2,36.14.6' #4>.,3;' 36) , .=13816' G41<'
82816=18' '^ 1346=' 1,' E34.>' ,56'
,.4%8:6' ,+63' 1,' O4=:, .14@=' 4.1636=1'' 44'
'^ 6.163=' ,) 6 G41<' 1<6' 2,36.14.6'
4>24, ' 44' ['^ 855,4.169' >6.6382F4.F
:E46%' 44' '^ 96:28369' >6.6382F4.F
F :<46%' 44' U U^ =*563=6969' E;' <4=' 62963'
E3,1<63' 832,' 44' U '^ 96%68169' 81' $8F
>,.838' 8.9' <4=' 83) ;' :3*=<69' 44' U W
82816=18' m 826e11,I' 6.13*=169' G41<' 1<6'
2,36.14.6' 83) 46=' 44' WUU^ 96%681=' 1<6'
4=8.=' 81' 8=:4.8' 44' WU[' ^ 534=,.63=
) 896' 1,' H4=='1<6' 837,::, ' 41' WUY
82816=18' ,39' ,% 4) 4.4' 946=' 444' [U^
=*::66969' E;' E4=' .81*382' =,.' ,E631' 1,'
1<6' 94=5268=*36' ,% 1<6' ,56' 444' ['^
4) 4.4' 4.+8969' E;' 428.' 8.9' O6.4:6'
'^ ,E631' =*55,3169' E;' 3E4.' *9
2,36.:6' '^ ,56@=' 83) ;' 3,*169' 444'
[[
82816=18' m ,E631I' 6.>8>69' 444' U Y^
96%681=' 1<6' ! *H6' ,% 828E348' '^
82816=18@=' 9681<' 444' U ^ *3>6=' 1<6'
#4>.,3;' 1,' =6.9' 8.' 6) E8==;' 1,' 26B
) 6.1' 4;' [WX^ <4=' =*55,=69' 1368:<63;'
4+' [U^ 53,16:1=' 2,36.:6' %3,) ' E64.>'
=8:H69' E;' 41=' 96%6.963=' 4+' [
828+,214' m 69634>,I' I842,3' 1,' ,=) ,' 96@
694:4' 444' [
824=54.8' 6.>8>6=' G41<' 2,36.:6' 4'
824=54.4@=' 54:1*36' ,% 2,36.14.6' 24%6' 4'
U
8.%369' L4.>' ,% 8526=' 4' WU P^
81' 6.6+6.1,' 4' WYU' Z'.
8.%3694' ,% 86.78') 8H6=' ,+631*36=' ,%
568:6' 8.9' 8248.:6' 44' UUU
8.>,.6' m:8=126' ,%I' 18H6.' 4' ' '^ 94=B
) 8.1269' ' '^ 13681;' G41<' 41=' 2,39='

&(29&142)8(? &(;' ;6,8(? 8(' *),(1,
44f WYU

83:<' 8>84.=1' 4=8' E;' : ,)) 4==8346=' ,%
1<6' ,)) , .G6821<' 44' W
83:<' ,% ,*.1' 8.9e' 1,' ,) 8>.8' 44' '
W [
83:,' O4=:, .14'=6476=' *::8' 44' W
8314.622, ' ,3' G83FE622' 4' WW
8314.' O' 6.163=' 2,36.:6' E;' =56:482' 4.B
+41814, .' 44' X '^ >3681' 536583814, .=',3'
<4=' 36:6514, .' 44' XW^ 4) 53,+6) 6.1' 4.'
<4=' 8%%843=' 44' U ' ^ 268+6=' 2,36, .:6',3'
,) 6' U U^ 18H6=' *) E38>6' 81' 1<6'
2,36.14.6=' 44' U ' ^ >38.9' :636) , .482=
44' U [^ =6.9=' 8.' 6.+, ;'1,' 2,36.:6' 44
ZU [^ G<,' 4=' :, 394822,' 36:64+69' ' ^
<4=' 9681<' 444' U
8==8:36 ,%1<6' ,2, ..8=' 4+' UWX
8=14. ,' 96228' #:828' ,%%63=' *::8' 1,' 2,B
36.:6' 8.9' 4=8' 44' X
814298' m ,*.16==I' ' W^ <63' G83=' G41<'
1<6') 563,3=' ' ^ <63' 9681<'
8D4) 4 8.' 8116) 51=' 1,' E34.>' ,*4=' 1,'
8.' . .9638%8.94.>' 4+' Y^ <4=' %842*36'
' ^ =6.9=' 8) E8==89,3=' 1,' 2,36.:6
4+'
8D4) 4248.' 16) 5169' G41<' 1<6' 14126' ,%
) 563,3' 4+' WU ' ^ 4=' 4.+4169' E;' *B
9,+4:,'42' ,3,'1,':3,=='1<6' 25#I4+' WU
69416+82' ' ,)) *.6 (' ,% 2,36.:6' 4'
69486+82' 18248.' 83) 46=' 444' Y
694:68.' :8*14, .' 44' W^ 5,24:.;'1,G839='
#%,378' 444' W[^ +46G=' , .' 428.' 444'
WYX^ >,+63.) 6.1' 444' Y ' ^ 5,5*B
28341;' ' ^ 5813, .8>6' ,% 4.16226:1
444' WU^ 5813, .8>6' ,% 831' 44' U ^
5831.;' :3;' 4+' [^ 53,=56:1=' 81' 1<6'
9681<' ,% ,36.7,' 4+' YW^ 55,241,'
8.9' 26==8.93,' 4+' Y ' ^ 1<6' 8394.82'
96=581:<69' 1,' 2,36.:6' ' ^ ,36.7,@=
9681<FE69' 4+' Y ^ 6,' V' 8.9' 26B
) 6.1' O ' :,) 58369' 4+' Y ^ 9,) 4B
.814, .' .,1' *.8::6518E26' 81' 2,36.:6' 4+'
X[
6948' m##82+6=13,' 96@I' :<,=6.' , .%82, .4636'
44' WXW 4 :822=' 8.' 8==6) E2;' 44' WX ' ^
4=' 8::*=69' ,%' =6941 4, .' 44' Y^ H.4><169'
E;' 1<6' 5,5*28:6' 44' X^ <4=' =566:<'
4 ' XU
694:4' m1<61I' 8.9') 8.:' ,1<63' .,E26'
%8) 4246=' 96:28369' 36E62=' 44' W^ 124643'
<;5,:34=;' 44' □' ^) 8=163=' 8.9' 1;38.1='
,% 2,36.:6' 444' U ' ^ 1<643' 16.8:41;' ,%
5*35,=6' 444' UX^ %8) 42.;' 81' ,36.7,@=
9681<' 4+' ' ^ 36>*2814, .' ,% 694:68.'
5,G63' 444' YY
694:4' m 4,+8. .4'9608'626:169' ,.%82, .4636'
41' UW ^ <4=' 5,5*28341;' 44' UW ^ >3681'
G6821<' ' 4 %683=' ,% 1<6' #4><,3;' 44'
UWU^ 4,+8. .4 8.9' 1<6' 568:6' 5831;'
44' UWX^ 6) E8==;' 1,' O6.4:6' 44' U X^
<4=' 4. :368=4.>' 4.%2*6. :6' 44' U [^ <48'
28E,*3=' 1,' 4. :368=6' E4=' G6821<' 44' U Y^
' '

E4= %38.H 6=5,*=8 ,% 96),:38:; 44 U 4.+,H69 E; 2E4774 1,89,51 834=B 1,:3814: +46G= 44 UY 96:24.6= 4.:368=4.>4.%2*6.:6 44 UY[<4= 9681< 444 Y 4))6.=6 G6821< 414 X :<8B 38:163 8.9 5,G63 444 U 694:4 m ,=),96 I 444 W 5*1= <4)=62% %,3G839 8= 1<6 89+,:816 ,% 1<6 53,B +4.:482= 444 W =*55,31= 1<6 G83 8>84.=1 *::8 444 WY 41= %842*36 8=:34E69 1,E4=44+82= 444 778.,@= =566:< 444 W 9681< 444 Y +6B 3839, 96@ 694:4 444 8 <,=1426 #4>.,3; 626:169 444 [W :4169 E6%,36 1<6) 4 :,.+6;69 1,1<6 2E63><61F 14., 444 [E34E6= 1<6 ,.%82,.463 44 ?[U 6D:416)6.1 ,% 1 :41476.= 444 [E8.4=<69 1,89*8 444 53,B 5,=82= %,3 <4= 8==8==4.814,. ,F@ F%6.7e <4= E3,1<63 E8.4=<69 1,O6.4:6 44 [Y^ 4*248., 1, ,)6 Q x|=)5@= 36:6514,. 81 O6.4:6 444) *:< 36>361169 4. 2,36.:64 444 YY 422= 53,5631; 53,16:169 8= 8 O6.6148. :41476. 444 Y 8 5831;%8+,*38E26 1, 1<6 694:4:,)6= 4.1,5,G63 <6 4= 36:82269 444 36:6514,. 81 2,B 36.:6 444 XW)896 ,%82,.4636 4 1<6 2E4774,*128G69 444 X 5,G63,% I1<J 694:68.%8:14,. 444 X ,=),@= 8)<414,. 444 XY =6.1 1,O6.4:6 444 WW %2483= 1,536+842 ,<1<6)1,)8H6 83 ,<F1<6 O4=:,.14 444 WW 568:6 E61G66.2,36.:6 8.9 *:m 444 WWX O <4= 53*96.:6 444 W Y 4.:24.69 1, 281,.4:5<42,=,5<; 444 WU 96:24.4.> <6821< 444 WU G6821<8.9>6.63,=41; 4. W ^+4=4,.=,%1<6 %*1*36 444 R <4=96831< 444 WX :<838:163 2694:4m 4613,96@I E4=4.:858:41; 444 WY 1368:<63,.=89+4:6 ,% 63,.4 444 Y %2483346= ,36.7,1, 2834:6 3=4.4 444 X <4= *.5,5*283)8..63= 444 52,1= 8>84.=1 <4= 24%6 444 [83)= <4= 6.9= 444 .6>,14816= G41< 4114 444 X <4= 5831;36=1,369 1, '4+63 444 UU 36%*=82 1,5*.4=< <4= '6.6)46= " 58382;=69 444 [[<4= 9681<
2f94:4 m 53f.7, 96@I 1<6 8>.4%4:6.1 :,.%43)69 4.<4= %81<63@= 528:6 444 YU <4= ,G.8::,*.1 ,% 1<6)6614.> 44 Y *H6 ,% 428.@= +4=41 444 YXI 4.163:,*3=6 G41<1<6 ,56 444 X)4.6=,% O4163E,444 >3,53F 4<> 43341814,. E61G66. ,36.7, 8.9 ,56 4D1*= 444 <4= 18=16= 8.9)8>.4%4:6.:6 444 W 98.>63,*= mI.84362 G41< 1<6 ,56 444 WX 2683.69)6.81 1<6 694:68.:,*31 I44 W@ '2,1%,3 E4=,=8==4.814,<444 U 89936==6= 1<6 56,526 444 YY)*3)*3=4.2,36.:6 444 >,6=1 V 8526= 444 XW)8H6=568:6 G41< 8526= 444 U W :,.%636.:6 81 %fF) ,.8 444 UW ,36.7,@= 98*><163)83346= 38.:6=:, 4E,44 U 2,B 36.14.6 53,=56341;*.963 ,36.7, 444 UU <4= 9,*E1= ,% 1<6 5346=1= 444 U =6.9=%,3 #8+,.83,28 444 U W 8=8 56.416.1 444 U X 1<643 4.163+46G 444 U[<4= 9681< 444 U[U :<838:163 8.9 8556838.:6 444 U[,96 ,%24%6 4@4 U[Y <4= :<838:163 4+ U 6832,; 1;38..; 4+ 694:4 m 4613,96@I +4=41= 1<6 36.:< H4.>4+ U >38.1= 822 <4= 96)8.9= 4+ W 1<6 E622 ,% 2,36.:6 3*.>4+ 8334+82 ,% 3=4.4 4+ U 1<6 #4>.,3;36%*=6 4613,8.9 <4= %,22,G763= 89)4==4,.E;1<6 >3681 >816= 4)8H6= <4= G8;1, ,2,>.8 4+ 8.9 O6.4:6 4+ [%346.9= 8246.8169 4+ Y <4= 8116)51 1,%,3:6 <4= G8; E8:H 1,2,36.:6 4; WU 36:64+6= .,6.:,*38>6)6.1 4+ WUX)8.;%346.9= ,% 1<6 694:4 8336=169 4+ W 14)4B 941;,% 1<6 8.1<,34146= 4+ W I*9>F)6.1 36%63369 1,1<6 3681 ,*.: 4+ W Y 1<6+6394:1 4+ W 1<643 9,,) 4+ W[<4= 8556838.:6 81 3677,4; <4= 9681< 4+ 694:4 m 4*248.,8.9 ,36.7,96 I 3#1*)1, 2,36.:6 4+ UY G841 *5,.1<6 #4>.,3; 4 694:4 5828:6 %*22 ,% 13,,5= 4+ UX >3681 E622 ,% 2,36.:6 :822=1<6 56,5426 4+ .6G:,.=141*B 14,.8>3669 1, 694:4 m 8394.82 96@I 626:169 ,56 8= 6,V 4+ X 4*24,96@ 694:4 :368169 8394.82 4+ [,36.7,)896 6.638 ,%1<6 *=:8.%,3:6= 4+ " [W)896 !*H6 ,% 3E4,4+ [Y 9681< ,% 4*248.,4+ [,36.7,@=)83348>6 4+ [X I <4= 9681< 4+@ [X Y 6614.> ,%1<6)6)E63= 81 1<6 82877, *EE24:,44 Y 6614.> ,%1<6 36536=6.1814+6= ,% 1<6 1G,>*429=44 WU 6.98:41; ,% 1<6 53,16:169 .,E26= 44 [63:6.83;13,,5= 1<6 6+42= 834=4.>%3,) 6)52,;4.>1<6) 44 4I<862 .>62, *6..833,14 4+ UXX 6)52,;69 1,%,314%; 2,36.:6 4+ W 4>24,3814 626:169 ,56 8= ..,:6.1 O O 44 WX @ 428.=6.9= 13,|5f 1, 4=8 44 X[428.8.9 1<6 *=:8.:4146= 44 YWW =66H= 8%,3)82 13681;,%568:6 GI1< 1<6 2,36.14.6= 44 U W 6.:,*38>6= 1<6

2,36.14.6=' 4+' UY^ =.OI6:169 1,' 3*4.,*=' G83 4)5,=1=' 4+'
'F 428.'m!*H6',%I' +4=41=' 2,36.:6'444' YX^
,4 6.969 G41<' 1<6' 163)=',% 568:6'44'
U '^ 5365836=' %,3 G83' '^ E81126',%
36),.8'4'U X^ 96%681',%1<6 9*H6='
83);'44'U['
2428.6=6 83)46=' G41<938G.' %3,)' 1<6'
,)8>.8'44'UU'^ 4.+416 *9,+4:','1,'
361*3.' 4+' Y[^ E4=' =*::6==' '4 36B
:,+6369 8>84.'E;' 38.:6'4+' YY
4.,3>*429=' 626:1 534,3='44'U '
4=:',.:6514,','%1<6' 2,36.14.6=':,.:63.B
4.>24E631:'4'XW' X
4=634:,3948 m1<6I'4'WWX
,96.6=6 94=134:1'' 4' '
,96',%384=4.>')',.6;'4' YU'
,963814,.',% 1<6' 56,526 1,' <4E6224.6
.,E26='4'W [
,96)'=56:*2814,.=',.'1<6' >3681' ,*.B
16==' 4' U
,.8:,'96=:34E69'44'U X
,.6;' 138.=8:14,.='4.' 2,36.:6'44' X^
8::*)*2814,.='44'WY '^ 94%%4:*2146=' 4.'
2,36.:6'4+' YX
,.182:4.,'4'WW[^ 8118:H69'4'W '
,.18218 mE81126',%I'44'X[
,.16 ,.4 18H6.'8.9 38769'4' W
,.16 3,:6 :8=2I6'4' ^ %4.822,':=*EB
9*69'4' U
,.16%6213,':6969 1,' 2,36.:6'4+' YX'
,.165*2:48.,' 18H6.'*.963 2,36.14.6
53,16:14,.'4'XY^ 44' [U'
,.16=8.=,+4.,'8116)5169'44' '
,.16=6::,@=':,.%6==4,.'424' [' W'
,.16 #6.834.'4' WWY^ 41=' =,:461,';,%
#63+k16='4'WW
,.16+83:<4' 'YX^ 4.' O82983.,'4'W W'
W
,.1%,31 m *;'96I' 6.163=' 2,36.:6'4'WYX'
,.1%,31m 6.34 96I' 365*2=6=' 1E6' .>24=<
44'WU'^ 18H6=' 6><,3.' '^ :,33*51='
:63184.' .>24=<'E8.9='44'WU
,.14',3 %,3:69 2,8.=' 4.4148169' E;'1<6'
4,)54'44' YU
,.1,.6 m 38::4,' 98I' =66H=' 1<6' 53,B
16:14,.',%1<6' #4>.,3;'44'
,.1,.6 m 832,' 98I' 8118:H=' 1<6' #46.6=6
8.9 4.134>*6=' 4.' 63*>48'444' F U^
8582 13,,5=')83:<69 1,',.64><E,*3<,,9
444'
,.1,34,'m ,*.1I' 1<3,G.'4.1,' 534=,.'444'
U X
,.13682 %,3)=' 8' E34>8.9' :,)5+%4O'44'
W
)&' ;83);,)38(*),(1,'888' !N'
)&',=8;,:81'8(4&*6'88'# N
,382'=6.14)6.1=',%1<6'8>6'44'U
,3622' !483,' 444' X'^ ! ' S
' ?! 1'444' XW
,34826@=' 3C':,)58.;'44'W

,+6)6.1' 8),.>' 1<6' <4E6224.6=' 4'
W U
,774 %8)42;'44'WY
*.4:4582 626)6.1'4.'1<6'=,:482'=;=16)'
,% *3,56'4'W
*.4:4582',3>8.4=814,.'4'WU
3963',% 3.6226=:<4'4' Y
14.,=' =1816',%1<6'E6=46>4.>83);'4+'
[
*13,.6'w:6969 1,' 2,36.:6'4' WUU^ 58B
134,14=)',% 11,E*,.4'
*1*82' :,)5284.IF=' E61G66.' 4=8.=' 8.9'
2,36.14.6=' 'W [

& ! 'mL4.>',%I'81'G83'G41<'<4=' E83,.=
444' U X^ 855682=' 1,' ,36.7,' S4
568:6'444'U
8526=' 1,)'E;'8' G83',%=*::6==4,.'44'
YW^ <63'34+82' :284)8.1='444' W '^
#%,378 4.+4169' E;' 6.J',% .I,*'
4 4=' 536+6.169' E;'1<6' 4.134>*6=',%
1E6' !*H6',% 428.'444' W U^ 58314B
14,.69' E61G66.' 38.:6 8.9#584.'4+'
[^ 94==6.=4,.=':4+' X# ^ 36.:< 96B
%6816 9' E;',.=82+4 96',39,+8'
83.4 m 4=<,5',%I' 5368:<6=' 8' :3*=896'
8>84.=' 8.9,'44' W
833,G F+46G=',% 18248.'58134,1='4' '
83=4 m 463,I' 855,4.169 >6.6382' ' UWY^
52,1=' 1<6')*3963',% 8=13*::4,' '^
4=' :851*369 8.9 E6<68969',.'1E6' 5268'
,%<4=' E3,H6.'583,26'4'UWY
6:6==41;'%,3 268963=' 4.'8':8*=6'44' Y'
6>,14814,.='%,3 1<6' 626:14,.',%1<6' ,56
88' -
6>,14814,.='4.'O6.4:6'44' X '
6>,14814,.=' G41<' 38.:6' 8.9#584.'4+'
W '
634 8.9' 48.:<4' ,34>4.',%1<6' 163)='
4'X'^ 44'W[
634'1<6' E28:H 5831;'4'WX ' ' Y^
G<4>=',% 2,36.:6'4' U
63,.4@=' m!4614=82+41' 1368:<63;'444' Y^
Z52,1=' 1<6' 96=13*:14,.',% 4613,'444' U^
96%681',%1<6' 52,'' 444' U'^ E8.4=<B
)6.1'444' UU^ <4=' G4%6 4.134>*6=' 4*
1<6':41;'444' [' ^ <63' 6D426' '^ <6
=143=' *5 36+,21 4.'1<6' *>622,'444' R'
6G E,839' 855,4.169' E;' 1E6':,*.:42=
444'W
6G':,)524:814,.='4.' 2,36.:6'4+' X '
6G':,.=141*14,.',%,3 2,36.:6'44 ' X^
'! :S '8E,24=<69'
6G 6D569414,.'8>84.=' 4=8'44' U^ 41='
E2*.963='44'
6G 28G=',% 1<6' 4,)54'44' U^ 626:B
14,.'E;'1<6' 4,)54',%1<6' ' 8248 ('44'

6G 28G=',%:41476.=<45' '

6G 268>*6 %,3)69 8>84.=1 38.:6 4+ U
6G 36%,3)814,.4.2,36.:6 44 G))1 Z
6G #4>.,3D 626:169 44 U W
6G =13*>>26 %,3 5,G63 44 YW
,E26= 6D:2*969 %3,) ,%%4:6 81 2,36.:6 4 Q
,E2 = 6D562269 %3,) ,%%4:6 44
,9634.4 8 58134,14: +46G= 444 <4= E8.4=<)6.1 444 U[
,+622,m ,*.1 *49,I 3496= ,*1 ,% 2,B 36.:6 8.9 1346= 1,>61 E8:H 4 WY

,% 38.:4=8..*2269 E;26)6.1 4+ UWW
E4774 ,% 24,.16>83*22,:38+6=1<6 53,B 16:14,.,% 2,36.:6 44 W[
%%4:63= ,%1<6 E8.H 626:169 4+ U
24>83:<;36=1,369 44 X
21383.,A*83163 1<6 =681 ,%1<6 .,E26= 44 Y
).*=5,316.1= 444 U[
563814,.,%89).414,.= 44 W U
55,31*.6 8556838.:6 ,% 2963,114 4. 6.,8 44 W
38.>6 m 34.:6 ,%I 541:<6= <4= :8)5 81 48. 94 45,24 43 WW I H42269 81 4=B 1,48 4+ [U
39682 E;%436 4+ WX 536583814,.= 4 53,:6==4,.= 4+ WX)96 ,% ,39682 94=1*3E8.:6 4.1<6 48778 WX[%,3E4996.1,53,:669 4+ WXY 94=B =814=%8:14,.,% 822 583146= 4+ WX
39628%%4 ,39 ,% ,324 563=*8969 1,=6476 8=14>24,!:<4,444 [6D6:*169 G41< 822 <4= %,22,G63= 444 [U
39628%%4 ,39= ,% ,324 53,16:169 E;1<6 ,)),.G6821< 44 UWY <4= G49,G 4.+4169 1,8.82248.:6 G41< O4=:,.14 44 UWX 4 ,36%*=cOI 18H6= 5,==6==).,% ,32 <;5,:3414:82 6D:*=6= ,% O4=F :,.14 44 U 2 G83 G41< 1<6 O4=B :,.14 44 U U
39628%%4 m 83:<6=6I %841<%*2 1,2,36.:6 44 UW 6=:856= 44 UWX
3963 364>.= 4.2,36.:6 4 W[Y
3963 36=1,369 E;8.9e 44 W
394.4 96228 4*=14748 4 W[
394.4 94 4*=14748 44 WXW
3>8>.8 m .9368I 44 UW
3>8.47814,,%1<6 56,526 4 W
34>4.,% *625<= 8.9 <4E6224.6= 4 X W U W[
34>4.,%1<6 4=634:,3948 4 WWX
34>4.,%1<6 ,3963 ,% #63+416= 4 WW
328.94.4 m 831,2,))6,I :<,=6.,.%8B 2,.4636 444 WUY <4= :,G8394:6 =*)),.= 8298::4,E6%,36 <4)8.9 <8= <4) =284. 444 WUX 8 >3681 ,*1B :3; 444 W
) &(815,*, 1 :=&(6 9 88 #

3=4.4 m 4.829,I 6.>8>69 E;1<6 365*<24:I 44 F YY
3=4.4 m 8,2,I 18H6= =63+4:6 G41< 2,B 36.:6 44 X
3=4.4 m ,*.1 631829,I 6.>8>69 8= :,)B).963F4.F:<46% 44 4)58146.:6,% 1<6 2,36.14.6= T2,.16>83*224 =*563B =696= 3=4.4
3=4.4 8.9 ,2,..8 444 U[
3=4.4 4.134>*6= %,3 1<6 36=1,3814,., % 1<6 694:4 4+
3+4618.163341,3;36=1,369 4 WW[
114)814 8.9 8226=:<4 4 X
114)814 1<6 =*55,31 #13,774 43 U Y 1<643 1368=,.4+ U X
11,94 *6338 44 WY
*1E368H ,% G83 G41< E8.941 .,E26= 44 X
*138>6 ,% 1<6 634 4 W :<46%= ,% E,1< 583146= E8.4=<69 4
*138>6= ,%1<6 E8294.4 44 XU
+63E6834.> 4.=.,26.:6 ,% 1<6 2E4774 44 W
+631*36= ,% 568:6 E;1<6 #46.6=6 44 WU

" @ =6.14)6.1 4. 2,36.:6 4. 8::<48F +62240= 14)6 44 YW
8>.4.4 ,. 2,36.14.6 18D814,. 44 UY U
82877,962 ,3.8.6 4
8226=:<4 1<6I 8.9 114)814 4 X
8.8:68 %,3 4.8.:482 13,*E26= 8 .6G 28G 8.9 .6G)8>4=13816= 44 YW
8.4: 8),.>=1 1<6 56,526 81 1<6 6D6:*B 14,., % .=64)4 8.9 #13,774 44 UYF
858 8314.,.,1 G,31< 8 %831<4.> 44 -"
858:;8.9 1<6)5436 4 :,.B 9414,., % 1<6 44 X ,56 6.6B 94:1 .145,56 ,56 36>,3;V ,56 T,<.:822= 1<6 ,*.:42 ,% .,=18.:6 G<4:< 965,=6= <4) 44 X 8394.82 ,2,..8 626:169 8= 8314.O 1<6 %,*31< 24+4.> ,56
8582 8*1<,341;4 Y <,G 41 58382;=69)563482 5,G63 8.9 8==4=169 1<6 2,B 36.14.6= 4 Y
8582 8.9)563482 268>*6 44 W
8582 52,1 1,=6476 2,36.:6 44 W[
8582 5,24:;G41< 36>839 1,1<6 O6.6B 148.= 444 U X 1<6 ,56@ 93689 ,% 8 ,:44:42 1
8382 63 E61G66.>28.9 8.9 2,36.:6 4 Y
839,.,% 26)6.1 O 1,O4=:,.14 4< "
83)8 8.9 48:6.78 :6969 1,1<6 9*:<;,% 428. 4+[
&)38: (6 9 45, *),(48(,3 8(=)8'&4,.*89, 88 !

383=4) , . ; , %1<6 1.3 , ,)) *.6= 44 W
8314826 I*=14:6 9*6 1, 2,36. :6 43
8314 6= 4 . 428. 444 W[
831 ; .8) 6= 4 . 2,36. :6 444 W
831 ; =54341 , %1<6 :41476. = 44
8134,14: >, +63.) 6.1 84) 69 81 44 Y :8*=6= , %%842*36
8134,14=) 8.9 : , *38>6 ,% 4:<626 8.9e 44 U
8*2 m ,561 18H6= 1<6 .6>,14814, .= 4. <8.9 444 [36:822= 1<6 : , .9414, .= 44 [W G34116. 13681 ; , % 568:6 G8= =4>.69 G41< >6.6382 8553,E814, . 444 [
8+4. >F=1, .6= , % 2,36. :6 4 WW
8774 , % 46=,26 444 5813, .4769 E; ,=) , 444 U 36536==69 E; ,36.7, 4 38. :6=: , 960 8774 E6: ,) 6= 1<6 8582 E8.H63 444 Y : , .=5436= 8>84. =1 ,36.7, 444 4834, #82F +4814 8.9 1<6 ,56 I, 4. 4. 1<6 52, 1 444 , .16=6:6, 6.>8>69 1,) *3963 1<6 694:4 E3,1<63= 444 Y
8774 %8) 42 : E*.169 *5 8.9 6D6: *169 444 %816 , %T8: ,5, 444 Y
68:6 G41< ,) 6 44
68:6 8.9 1<6 5,5*28:6 4 WY
68:6 %4.822 ; : , . :2*969 G41< #46.8 44 W
,&1, 1 (1*2; , ; 7845 B, (&&4 2116 88 N
,&1, 9 33838 88 #
6. :6 : , . :2*969 444 WX
68:6 81 28=1 364>.= 4. 2,36. :6 4+ U
68:6 E61G66. T*24*= 8.9 1<6 6.6 148. = 4+
68:6%*2 8>366) 6.1 E61G66. 8.9e 8.9 1<6 #4>. , 3 ; 44 WWW
68=8.13 ; 8118: H , *.1 8.9e 8.9 <4= : ,) 58. ; 44 WW
6,526 96:366 1<6 96) ,2414, . , % 1<6 . , E26=0 %, 3136==6= 8E, +6 %4%1 ; !! 4. <64><1 4 W
65, 24 m 8996, I : <6:H= 1<6 E34>8.9= 44 W U
63>, 28 m >. , 2, 96228 I 18H6= : ,)) 8.9 , % 1<6 O4=: , .14 83) ; 44 U X E6=46>6= $8>, .838 96%681= 1<6 2,36.14.6 83) ; 44 U W 4= =*563=6969 E; #%, 378 8.9 , 3622, 44 UU[
6342 , % 1<6 8) E8=89, 3= 8.9 1<643 6.13681; 44 WW
63=, .82 8556838. :6 , % <8326= @WYW U
63=, .82 >3814%4:814, . 1, 1<6 2,36.14.6 4. 1<6 >2, 3 ; , %<4= : , *.13 ; 44 W[Y
63*>48 8.9 #46.8 4. 1<6 <8.9= , % 1<6 O4=: , .14 44 X[
,)2?8& 5 *; 3 24 &?8& (34 45, *6 , , 8 "#
,)2?8& (&898&) 3 ; 83D28, 48 (? 88 #!

63*774 %842*36 , % 44 W
63*774 m 4, 11, I : <, =6. 34, 3 4 <4= 96%681 4 #
63*774 m1<6 I 4. 2,36. :6 44 WY
6=1426. :6 4. 182; 44 XX 4. 89*8 44

6=1426. :6 , % WUWY 44 Y =8.4183; 36) 6946=
6163 #13, 774 44 W U
61414, . , %1<6 :41476. = 1, 1<6 >, +63.) 6.1 44
613*: : 4 m 6=836 I 36:64+6= 1<6 3:<8 E4=<, 5 444 U <8.>= <4) %3,) 8 G4.9, G , %1<6 82877, *EE24: , 5611; 53, =6: *14, . = , %1<6 694:4 44 <4= 5, =414, . 4. 2,36. :6 4 6.6) 46= 444
48>. , . 4 m1<6 I , 3 <4) 56363= 4+ Y 4+ UYX 36=6) E28. :6 1, 1<6 4%1< , .83:<;) 6. , % 3,) G622@ 83) 46= 4+ UYX
48778 962 ! *,) , 4
48778 962 , 5, 2, 4 W
4: :4.4. 4 mT8: , 5, I) 8H6= 568:6 444 WX , 55, =69 E; 1<6 , 56@= 83) ; 444 WXU 4 %, 4269 E; #%, 378 ! *H6 , % 428.
4: :4.4. , m 4: : , 2e I 18H6= : ,)) 8.9 , %1<6 2,36.14.6 %, 3:6= 44 UW 4= , 396369 E; 1<6 6. (1,) 83:< 8>84. =1 86.78 44 UUW 4= 8118: H69 4. O829428) , .8 8.9 3, *169) 896 534=, .63 268+6= 1<6 =63+4:6 44 UUX) 8H6= 163) = G41< O4=: , .14 444 W 4= %, 4269 E; 1<6 ! *H6 , % 428.) 8H4. > 163) = G41< #%, 378 444 W , 396369 1, G41<938G <4= 83) ; 4 946= E3, H6. F<683169 444 W X
4=8 41= =41*814, . 4 U G83= G41< #46.8 4 U[6D569414, . 8>84. =1 1<6 #838:6. = 4 2,36.14.6= >*839 1<6 :41; 8>84. =1 1<6 *: : <6=6 1<643 9624:8: ; 1, 1<6 G,) 6. , % 4=8 4 UY = A*83362 G41< 2,36.14.6= 4 W :8*=6 4 36+, 21= 4. 1<6 O4:83@= 8E=6. :6 4 [36+, 21= 8>84. =1 1<6) 563, 3 44 W 8>366= 1, 5*3: <8=6 *: : 8 416 163341, 1; 38+8>69 E; 2,36.14.6= 44 568:6 *. 963 463, 8) E8B : , 314 44 [X 41= ! ! - 4.134>*6 G41< O4=: , .14 4 8.9 6; 6=, 36 8.9) 6.8:6 1, 2,36. :6 44 WY 4=8 5*3B :<8=69 44 3618H6. 1<3, *>< : , G8394:6 44 [94=) 8; , % 1<6 2,36.14.6= 44 Y 4=8.= 36) , .B =13816 G41< 2,36. :6 44 2,36. :6 96:2836= G83 44 X 96=141*14, . , %1<6 :41; , % 44 41= =*336.963 4 36:64+6= 8 36. :< >8334=, . 4+ [U I, 4. = 1<6 268>*6 8>84. =1 38. :6 4+ W <8.969 , +63 1, 1<6 O6.6148. = # '8, 73 9 45,) 34&4, 3 8 -"

4=8.' 6=14) 816 ,% 146' 2,36.14.6=' 4' UX
44' Y'^ =6476 2,36.14.6) 63:<8.94=6
4' WW'4 8118:H #46.8' 4' WU'4 836 96B
%68169' 4' WU ^ =*6 %,3 568:6' 4' WU ^
4=8.' %2661 3,*1= 1<6 6.,6=6'%' WX'^
:,4.') ,.6,:'*.963 1<6 G822=,% 2,36.:6
44'WU '"^ 4=8.'=<45=' =64769 E;' 2,36.:6'
zz F X^ 4=8.' 314%4:6' 44' W
4=8.,@= m 4::,28 96=4>.' %,3 =8+4.>' #'
4,+8..4'4' W Y
%4=1,48' =*E) 41= 1,' 2,36.:6' 4' WW'^ 36B
+,21='8.9 4= E6=46>69'4' U^ 9624+6369
5 1,' 8=13::4,' 4' U ^ 568:6
44'
4114 m *:8I' <4= >3681 G6821<'444' W^
:<,=6.' ,.%82,.4636' '4 :822= 8.'
8==6) E28>6 ,%1<6 56,526'444' □'^ E6B
:,) 6= 1<6 1,,2 ,%1<6 694:4'424' '^
4) 53*96.1 38=<.6==' 444' [^ E6:,) 6=
<,=1426 1,' 1<6 694:4' 444' [^ 52,1=
G41< 63,.4 %,3 4613,@= 96=13*:14,.
444' U^ <4=' 4.163+46G G41< 4613,
444' X^ 96=631= 1<6 :,.=54381,3=' 444'
U'^ 1368:<63;' 1,' 4613,' 444' U'^
94=>38:6'444' UX
4*=' ' 626:169 ,56' 4+' ^ <4=
' 9681<'
28>*6F=5,1 ,% 2,36.:6'4+' X
28>*6 1<3,*><,*1 6=163.' *3,56'44'
Y
28.=' ,% 1<6 E6=46>69 2,36.14.6=' 4+'
U
281,.4=)'4.' 2,36.:6'444' W
2*.963' 8.9 ,*138>6=:,)) 41169 E;'1<6
3681 ,) 58.;'44'WW
2*.9634.>' ,% 1<6 4=8.' 163341,3;' 44'
W
,96=141 ,3 :<46%) 8>4=13816 1,' <6 8
%,364>.63'4' X'^ :<,=6.' %4%1;') 426=
%3,'^ :,=1*) 6' 1 368=,.=' %,3' 1<6'4.B
.,+814,.' 1
,96=1C m1<6I' 8.9' <4=' 534=,.63='444' XX'
,96=1C 5828:6'=8:H69 c'44' [^ 18H6.' 44'
W
,>>4E,.74 E*421'4' [X
,24:;',% 428.'4+' W^ :284)=' ,% ,*4=
V ',.'1<6 9*:<;' '8
,24:;',% 4613,'96@ 694:4'4+' U
,24:;',%1<6 ,)),.G6821<'1,G839=1<6
.1458582 8) E8'89,3='44' 2 4
,24:;',%1<6 L4.>',% 8526='4+' '
,2414:82 89) 4.4=13814,.'4' XU
,2414:82 :<8.>6=4.' 4=8 44' Y
,2414:82:,.=141*14,.',% 2,36.:6'4' X'
,2414:':,*3=6 ,% 8394.82 96@ 694:4'4+'
[' F
,24748.',.' 1<6 8774:,.=5438:;' 444
W^ .833814+6'444' U[U
,.16 8226 38746 E44421'4' WWX
,.16 #8.18 34.41C' '

,.16 O6::<4,':83346 9 8G8;' E;' %2,,9' 4
[' ^ =1,3) 69'44' Y
,.14%4:82 9,:134.6=' 4' W
,56@= 26>816 E34E6= 8.9e' 44' W '^
:822=,.' 2,36.:6 %,3 1<6 24,.@=<836'

,56 41<6I'1<6) 563,3'8.9 2,36.14.6=
44' z
,56 36>,3;= 9681< 6.9= 1<6 G83 G41<
1<6 8582 ,*31'44' W
,56 3E8.'53,5,=6= 1,'+4=41 63*>48'44'
[X^ 2,36.:6 =6.9= 8.' 6) E8==;' 1,'
36),.=13816'44' Y
,56 T,<.' A*83362= G41< 3=4.4'8.9 %246=
1,G839= 2,36.:6'44' Y'^) 661= 8.'
6) E8==;',%:,.9,26.:6' E*1 96:24.6= 1,'
36:64+6 <4)' 44' ^ =61126= 4.' ,B
2,>.8'44'
,56' *>6.4*= 18H6= *5 <4= 8E,96 81
#8.18 4834 ,+6228'4.'YY^ 946='44*
W[
,56 4:<,28= 8116) 51= 1,' ,3>8.476
*3,56 8>84.=1 1<6 *3H='444' WX'^
<4= 9681<' '^ =1816 ,% 583146='
,56 4*=' '+4=41= 2,36.:6'444' WW^
E4= 36:6514,.'8.9 %6=14+4146='444' '^
<4= 9681<'444' U^ E4= :<838:163'444'

,56 8.4 '3624.A*4=<6= <4= 96=4>.',%
E6=1,G4.>',2,>.8 ,A 1<6 O6.6148.=
444' Y
,56 #4D1*= O @= 94%%4:*2146='444' U Y^
) 8H6= 568:6 G41< 8526='428.'8.9
2,36.:6'444'UW^ 96=436= 1<6 O6.6B
148.=1,' G41<938G %3,) 633838' '^
<4=13,*E26='444'UW[^ 9681<'444'UWX'
,56 ..,:6.1) 83346=<4=,.'1,' 8998B
26.8 96@ 694:4'44' U
,56 26D8.963@= 5,24:;'8.9 53,%24>8:;
4+' UX' Z Z
,56T*24*=*=55,31=1<6 694:68.':284) O
4+' '^ 8.9 6D:,)) *.4:816= 2,36.:6'
4+' W
,56 6,@= 134*) 5<' 4+' ^ 4= 424"
.6==' '^ <4= 9681<' '^ =*=54:4,.=,%
5,4=,.' '^ #8..87833,@= 654>38) ' '
,56 9348.'%4.9= ,) 6 96=,28169 E;'
56=1426.:6'4+' U U^ <4= 9681<' 4+'
U
,5,28.4 >38==4'44' X^ 1<643 4.%2*6.:6'
44' ' [Y
,5,28.4) 4.4414'44'
,554 :8= 6' ' ['^ 41= 58.4:F=134:H6.'
2,39" >822,5=,42 1<6 %4629'4' '^ !,F
@ .814@=>8228.13;'
,554 m ,39 ,%I'444'W
,55,26=:<4 946= 81 <4= 5,=1'44' YY' '
,5*283 34=4.>'4.' 2,36.:6'4'W '^ 646'
) 6.1 ,% >,+63.) 6.1 4) 53,+69'44'Y^
%6624.>',% 1<6 2,36.14.6=' 44' W '^
%6624.>'4.'1<6 :41;'44'

,5*28341,';,%1<6 694:4'44'UW
,5*2814,.'4.'6832,';14)6='4'Y
,33,' O4=:,.14@=' 246*16.8.1' 18H6=' 5,=B
=6==4,.',%4=8'44' XW
,318' #8.' 36948.',m>816f 1<3,G.',56.'
%,3f1<6' ,56@=' 6.13;'444'Y[
,31,'O6.636' >4+6=' 41=62%1,' 2,36.:6'44
Y
.6F<4=1,34,'26>6.9=',% 2,36.:6'4'W
381,'='*E9*69' E;'1<6' 2,36.14.6='4'U'^
94=1*3E='1<6' 2,36.14.6='444' Y'^ 18H6.'
E;'8==8*21'4+' [
36:834,*=' =41*814,.',%<63839,'5548.,'
'4'<4='9681<''44'XU
36:8*14,.=' 18H6.'E;'1<6' 2,36.14.6='44'
W m
36583814,.=',%1<6' 4=8.='44'T Y
36=18.76'44'U Y'^ %,3:69 2,8.='44'U[U^
G6821<,':41476.=' :284)' 6D6)514,.'44'
U[Y4 8'%84363=;=16)':284)69'44'U[X^
+46G 18H6.'E;'<4=1,348.='44'UY'^ 1<6'
),36' 6A*418E26' 5<8.'='*55,3169' E;'
4,+8..4 96@ 694:4'44'UY
3616.:6',%1<6'##4>.,3;'4.':.,.='*214.>'1<6'
:41476.=',444'[
3616.=4,;=',%1<6' ,56' 1,'94=5,=6',%
8526='4+'UW
34.:4582' E38.:<6=',% 4.9*=13;'4.' 2,B
36.:6'44'WY
34.:456(' 41=') 6341=' 8.9');=1634,.=
36+62814,.='444'YW
'M 1' ':9
34,34' 36=1,369' 1,'5,G63'44'
34,3=' 855,4.169' E;'626:14,.'8.9' :<8.:6'
b'Y'WYX' W' [
34+816'%6*9=' 36+6.>69'44'WX
3,:28)814,.'1,'1<6' 4=8.='4+' X
3,>36=' ,% :4+424=814,.'8.9' 8'1'4.4' 2,B
36.:6'44'UW
3,>36=' ,%28.>*8>6'4' W
3,>36=,%1<6'),382':,.=:46.:6',%)8.F
Z H4.9')'W W X
3,>36=' 1,G839=' 96=5,14=)'4.' 2,36.:6'
444' X
3,I6:1',%8' 6.6382' ,*.:42'4+'W W
3,5,=82='%,38==8==4.814.>' ,=),'444' ^
828+,214' 36I6:1=' 1<6'53,5,=414,.'
3,=56:1=',% 2,36.:6'81'1<6'6.9,%1<6'
WU1<':6.1*3;'44'WY'^ 3613,=56:1',%
1<6'58=1'42'WYY
3,=56341,';8.9'4.:368=4.>'5,G63',% 24IF'
36.:6'44' Y^ 534.:6='=*4.>'%,3'<63'
82248.:6' #'<63' >3681' G6821<'42'
'^ 41='98.>63='^ 16)56F8O;'53,FO
=56341;'44'WY'8
3,16:14,.',%3,EE63=' E;'1<6' <4E6224.6'
E83,.='44'XU
3,16=1',%1<6' 6.,6=6'44'U
3,+4=4,.82'>,+63.)6.1'81' 2,36.:6'44
=
& (" !'#%)# # ')'>

.E24:'96E1f365*948169f E;'96' 346..6'44'
-!
*E24:' ,54.4,.' 41=' 8.14A*41;'4' '^ 41='
=*E126' ,563814,.' '^ 4.%2*6.:6' ,.'
%6*9824=)' '^ 6D6)524%469f 4.' 1<6'
O8298)E38' =181*16='
*E24:'+431*6'4.' 2,36.:6'44'U
8::4 m *:;4,1' 8.9' E4=' =,.' 4,+8..4
6D4269'444'
8::4 365,31=' 8.'8116)51'1,'=6476 1<6'%,31'
,% 8=14>24,.:E4,'444' [
8::4,'m .1,.4,'941'444'W
*.4=<)6.1'%,3' =28:H' 89)4.4=13814,.',%
I*=14:6'4' W'
*.4=<)6.1',%%6*982 2,39='44' W
*3418.':83.4+82=,.>='4+'W
*=4228.4)41;',%1<6' ,.%82,.4634'44' WW
*1',1';,*3%841<'4.'534.:6='4+'UX

*) @@ !'G41<' 4=8'4' 22'WX'
K*63:4,>3,==8' 8=126'38769'4'WWU

$ ',%' 2,36.:6'44' 'UWY'
UWX'UU[
8.>,.4=<,G=' =*5634,3'>6.6382=<45'4+'
X
858:41;',%1<6' 36.:<H4.>'4+' X
8549' 8::*)*2814,.',% G6821<'4.' 2,B
36.:6'44'WY'WY
8549'>3,G1<',% 18248.':4+4247814,.'4'Y
6F8556838.:6',%56=1426.:6'42' XX
6E6224,',% 411C' 94' 8=1622,'444' W'^
,36.7,'849=' 416 4f 444' '^ 4.94>B
.814,.',%1<6' ,56'
6E6224,.',% 381,'4'U
6:,.:424814,.',%1<6' ,56' 8526='8.9'
2,36.:6'4+'^
6:,.:424814,.'G41<'1<6' 694:4.,1'.6:6=B
=8342;'2,=',%24E631;'1,' 2,36.:6'4+'UX[
6:,+64',% ,2,>.8'44' WW
69*:14,.',% 63*>48'44'W
69*:14,.',% 4=1,48'44'X'
69*:14,.',% 1<6' %6*982' 2,39=' 4.' 1<6'
56..4.6='44' W[
6%*=82',%1<6' 85418.,'1,'9624+63' 8)E4f
1,'1<6)'44' '^ 8118:H',%1<6'13444)?
+43816',.'1<6'36=496.:6',%1<6' 85418.,'
42'
6%*=82',%1<6' 85418.,'1,'6D6:*16',1<63'
534=,.63='44' 2X
6%*=82',% 1<6' 2,36.14.6=' 1,'E34E6'1<6'
E8.941='44'WWU
6' *8=18>38.,'44'
6>4,.',% <4E6224.4=)'4' Y
64>.',%1633,3'44' W
64>.',%1633,3'4.' 2,36.:6'4' [W
64.=1816)6.1',% 82816=18'44'WU
6I6:14,.' E;' 1<6' 34,3=',% 694:4@=
)68=*36='44'WX

6I,4:4.>= 4.' 2,36.:6' 44' ' YF '
Y
Z 6A.6=I' ,%1<6' ,)58.;'1,'1<6' #4>.,3;'
4%' □
62814,.= E61G66.' 2,36.:6' 8.9' 4=8'44'

62814,.= E61G66.' 2,36.:6' 8.9' 1<6'
)5436'4'UW'
: 6%1,'1<6'56,526'44'
6),96224.>'1 46' ,.=141*14,.'44' '
6),.=138.:6',%1<6'8)E8==89,3='44' □'
6.J',%' .I,*'+4=41=' 2,36.:6'444'W [^
E81' 2,36.:6'4=' 94=5,=69'1,'568:6'
6.6G69'G83'4.'182;'444' X'^ G<4:<
2,36.:6'8+,49='
6.6G82',%1<6'268>*6'E61G66.' ,56'
,.4%8:6'8.9'1<6' 2,36.14.6='44' W '
6.7,'98' 634'4+' X
65,31'4.'1<6':41;',%K48.>826877,='9681<'
44 Y'
65,31',%1<6',56@='9681<'4+'U Y'
65,31',%1<6'G83'E,839'4+' UY'
6=4>.814,.',%1<6' 85418.,'44' U'
6=5*E24:,'496.14:82'G41<'_ ,.*.*.6'@44'

6=1,3814,.',%' 38.:6=:,'#%,378'1,' 428.
4+' X
6=134:14,.',.' 82816=18'E;'1<6' ,))),.B
G6821<'b' □
613,=56:1',%1<6' 4,)54'1*)*21='44'
WY[FY
61.)',%8)E8==89,3='%3,)'!.3677,'44'
U
61*)',%',*.1' 8.9,'44'WWW
61*3.',%1<6' 3681' ,)58.;'44'W '
636.>,',%1<6'568=8.1=',',*.1' 8.9,'
8.9'<4=':,)58.;',%E8.941='44'WW '
6+4+82',%1<6' 394)94' 4*=14748'44'WX '
6+,21',%' 381,'422' Y'^ :3*=<69'444'
YY
4834,'mK838E8),I' ,39',%'),28'444'
XF
4834,'m 6163I'<4=' 38549'53,),14,.' '^
2*D*34,*=' 24+4.>'36:,3969'4.'+63=6'444'

81&3 *8P3' '8 *,(1,'88'
4::4'1<6'34+82=',%1<6' 2E4774'44'W '
4::4 8.9' !8+474 8336=169'44'
4::40=':,.%6==4,.'44' W
4:,398.,' 824=54.4'4'W[
494:*2,*=5,=414,.',%1246'<689=',% <34=B
16.9,)'44' U
46.74'5*1=' 3C' ,3826'1,' 9681<'44'
"!
4)4.4 8118:H69'<;' ,3826'44'W ^
E,*><1',%%E;' 2,36.:6'
4.*::4,' 83.6=4 =*::669=' 463,'44'WU '
4=6',%1<6'#:828'%8)42;'44'W
4=4.>'=1,3)'8),.>'1<6'56,526'44'WX '
4=H=' 8.9'53,%41=',%)69486+82':,))63:6'
4'

4+82' :,))8.963=' 8>84.' 6)52,;69' <;'
2,36.:'' 4+' X
,E631'L4.>',% 8526='+4=41=' 2,36.:6
4'
,E631',% 41162=E8:< 626:169'6)563,3
44'
,)8>.8'm:4146=',%1<6I'..963'53,16:14,.'
,% 2,36.:6'44'UWY
,)8.':4+424=814,..'4'^ 41='4)5634=<8E26'
:<838:163' 1' 8.9' 16.96.:;' ' X^'
)5436',%1<6' 6=1' 4 6=14)816',%
1<6' 2,36.14.6=' 4'YU^ :41476.=<45'444'
'^ 8:896)4:48.=' 4+' X
,3.6'18H6.'E;' 3=4.4 8.9' 82816=18'44'
['^ 6.16369'E;'1<6'13,,5=',% ,2,..8'
8.9'1<6'04:63,;',% 8526='4+'UW '
,)6@=5,G63',+63'1<6':41;'444' Y
,*I',%1<6' 2,36.14.6=E6%,36'1<6' .>24=<
8.9' 4=8.='44'WU
,+636'626:169'5,56'E6:,)6=#4D1*=' 0
444' ^ <4=':83663'
*:62284:,.=5438:;'4+' XX
*9,25<',% 85=E*3>'4'W Y
824.>'=6.14)6.1=',%1<6'56,526'44'W '
.),*3=',% ,56' 8*2@=4.16.14,'1,'>4+6'
,2,>.8'1,'1<6'06.6148.='444' Y

+ @'A7 B'3,*1=' 1<6' 2,36.14.6=' 81'
63*>48'44'XY
#8:H4.>=' 8.9'E*3.4.>=',% 1<6'834=1,:3814:'
5831;'44'WXY
#8>8:41;',% O4634'96@ 694:4'44' [Y
&*8,(4',',(43' 9'52:&('5834)6'88' !N
#82+4814@'m 38.:6=:,I')896' 3:<E4=<,5',%
4=8'444' ^ 2,36.:6' 36%*=6=' <4)'
<4=' =66' '4 I,4.='1<6' 8774'52,1'444'
'^ 41=' %842*36'444'
#82+4814@'m 83:*::4,I'E38+63;'4+'WX
#8.' 4.4816 82' 696=:,'U'UU^ 36+,21='
44'W W
#8..87833,@=' 654>38)'4+' [
#814=%8:14,.',%1<6' 2,36.14.6='44'W '
#8+,.83,28@=' 53694:14,.='4+'Y' '^ G841='
,.'1<6' 36.:< H4.>'4+' '^ <4=' =63B
),.='4+' ' X ' XX'W Y'W ' W ^
%8+,*38E26'1,'1<6' 36.:< 82248.:6'4+'
W '' <4=' 368=,.='4+'W ^ <4=' 98.>63'
4+' WUX'^ 6D:,))*.4:8169'4+' W '^
5368:<6=' 4.'96%48.:6',%1<6'4.16394:1'
4+'WYW'F 8.9':626E3816=')8=='4+'WY'^
96)8.9',%1<6' ,56'4+'WYY'^ 53814:8'
<629'4.':,.=6A*6..:6'4+'WY'^ 1<6'1<366'
94,1 I4+' W ^ 1<6',39682'4+'W Y^
<4=' 563526D41;'4+'W X^ 53616.=4,.=' 1,'
53,5<6:;'4+' WXX^ 6D4269'%3,)' 2,B
36.:6'4+' Y'^ <4=' 8336=1'4+' W '^
:,.9*:1',%1<6',E'4+' WU'^ <4=' 13482'
4+' W'^ 41=' %842*36'4+' '4 1,31*369'
8.9' <4=' 8.=G63=' 94=1,3169'4+' [^
4)58146.:6' ,% 1<6' ,56'4+' Y'^

%4F8.9*26.1 =*E=141*14,. ,% 8 %82=6 9,:*B
) 6.1 %,3 E4= =4>.81*36 4+ X 1,3B
1*369 8>84. 4+ 1<6 6D6:*14,.
4+ UW
#:828 m96228l %8) 42; 34=6 1, 6) 4.6.:6 44
W 8283) 4.> 5,G63 44
#:824>634 2,39= ,% O63,.8 44 [
833838 m 38.:6=:,9CI
#:8.14.6== ,% 6832; 2,36.14.6 83:<4+6=
4 UX
#:814778 5*1 1, 1<6 A*6=14,. 44 Y
1,(,8(45, 184&;,# 9 &'8&8 8
#:6.6 4, 1<6 48778 96228 ##4>.,348 X
#:6.63;,%1<6 :,3.4:6 (4+ Y
#:<6) 6 %,3 5*3:<8=4.> *::8 44 WW
#:<6) 6 %,3 =6224.> 4=8 44 XU
#:<6) 6= %,3 1<6 3698:14,. ,% 4=8 4+ X
#68E,839 94=5*16= 44 Y
#6:,.9 8116) 51 %,3 =6474.> 1<6 828:6 E;
8>8., #13,774 44
#6:,*9 E83>84. ,% 8394.82 2E,),7 44
WWY
,1),4 *,&?2, &?&8(34 45,),(15 8
#647*36 8.9 6D8) 4.814,. ,% 8) E4 44
  :,96) .69 1, 9681< E; 1<6
##4>.,4; 44
#62%F>,+63.) 6.1 4.:,) 5814<26 G41< +63;
=) 822:,)) *.4146= 4 X
#6) 4%,.16 4 Y[41= =46>6 4 YY %841<B
26==.6= ,%41= 2,39=
,)8 23 &118;,(4 &4 *),(1, 888 -
#6338 m 63.839,.6 96228l 626:169 >6.6382
4. 2,36.:6 44 36=4>.= <4= Eh1,.
1,1<6 ##4>.,3; 41 X
#6+636 28G= 8>84.=1 1<6 .,E26= 4 WY
#%,37, m 38.:6=:,[%43=1 855683= 44 UU[
36:64+69 81 2,36.:6 444 W W 36B
:64+6= O4=:,.14= 98*><163 8= <4= E3496
8%163 2,.> 9628; 444 W =*55,3169
E;%,3:69 2,8.= 4. 2,36.:6 444 W <,29= <4= ,G. 444 W [3,*1= 4::4F
.4.,@= 83) ;F4. <4= 8E=6.:6 444 W Y
8==*) 6= 1<6 :,)) 8.9 ,% 1<6 428.6=6
%,3:6= 444 W[855683= E6%,36 8+48
444 W[1 ,*=5416 428. 8+48 8::651=
#%,378 8= 41= ,39 444 W[X ,94 E6B
=46>69 444 WY O6.4:6 ,3963= 116.F
9,2,1,384=6 1<6 =46>6 1 <6 =*=184.=
8 :3*=<4.> 96%6 81 2,36.:6 =6.9=
8.83);1,849 1<6 O6.6148.= 444 WYW
5,24:;,% O6.4:6 568:6 444 WY
428.*=336.963= 1,#%,378 424 WY
53,:284 69 !*H6 444 W <45 9681<
444 X',
#%,378 m 8268776l =6.9= 8) E8==89,3= 1,
2,36.:6 444 X E6:,) 6= !*H6 ,%
428. 444 U <4= %8+,*3416 6.I,;B
) 6.1= 444 Y =6:361 :,.%636.:6=
G41< 8394.82 4834, 444 <43
,EI6:1 96%68169 444 W 4= 8==8==4B
.8169 444 W

#%,3748. 8) E414,. 444 X
#<8) 52,1= 44 W
#<,31=4><1612.6== ,%1<6 2,36.14.6 G34163=&
44 U "Z
#4:4248. +6=563= 4 W
#46.8 8.9 2,36.:6 81 G83 4 U #46.6=6
96%68169 81 ,.165.2:48., 4 #46.8 E368H= 1<6 13681;8.9 8118:H=
,.165.2:48., XY =*6= %,3 568:6
4 X #46.6=6 8118:H ,.165.2:48.,
4 WWU 8.6:9,16= 4 W [#46.8 =64769
E,O4=:,.14 44 X[#46.6=6 8) E8==8B
9,3= 1<643 94=:3614,. 44 [#46.8
12436816.69 E,E8.941= 44 W %%63=
41=62% 1, O4=:,.14 44 [36:,+6369
%3,) 1<6 O4=:,.14 44 WU 96:4969,
8= 1<6 =681 ,%) 6614.> %,3 1<6 626:14,.
44 UU 8118:H69 44
#4>.,348),+69 1,8 534+816 <,*=6 44 U
#4>.,3;36%,3) 69 44 Y 96=581:< 8) F
E8==89,4= 1, 36>,3;81 #46.8 44 U[
:,.+6;8. 6=:,31 %,3 ,56 36>,3;1,
*::8 44 =6.9 8.) 6) E8==;1,
894=28*= 8394.82= 8==6) E26 81 4=8
44 96=581:< 8 %4.82 6) E8==;1,
36>,3;81 4) 4.4 44 U G83.69
E;4::,29 98 778.,8>84.=1 4,+8.4
960 694:4= 8) E414,. 44 UW :822 8
583248) 6.1 4. 1<6 48778 444 [U
96) 8.9 1<81 1<6 :41476.= =<,*29 :<,,=6
8 E8248 (4 4. 268>*6 G41< 1<6
,39 ,% ,2,>.8 444) 8H6
:,2,*369 =1816) 6.1= 1, %,364>.:,*31=
4+ W :284 526.83;8E=,2*14,. %3,)
1<6 ,56 G<4:< 4= :,.:6969
#4) 428341;E61G66. ,3;4=) 8.9 K<4E62F
24.4=) 44 W U
#4),.:4.,1,31*369 44
#4),.6114 5828:6 =8:H69 44 WXY
#4.98:,,% 2,36.:6 444 Y
#4.>*283 8*1<,341;5,==6=69 E;1<6 #4>B
.,3;,+63 1<6.,18E26 %366F28.:6 268963=
88 -
#4.>*283,54.4,.,% O4228.4 4 W
#4=),.94@= 18248.365*E24:= 4 +46G
,%1<6 %6*982 =;=16) 4+
#4D1*= O <4= .65,14=) 444 U 6D8=B
5638169 G41< 1<6 36=*21= ,% 1<6 52,1
444 [Y 6D:,)) *.4:816= 2,36.:6
444 [#4D1*= O 8.9 O6.6148.=
8118:H 1<6 !*H6 ,% 633838 444 U
1<643 ,EI6:1=
#H43) 4=<6= %8+,*38E26 1, 2,36.:6 4+
[X
#H43) 4=<6= G41< 4=8.= 8.9 #46.6=6 4
W X
#28*><163 ,% 9@ 3) 8>.8:@= 13,,5= E;
568=8.1= 44 YX
188 '8*3 8(*),(1, 88 N .!
188 *89, 8(:, 888 -"N
188 3634,:8(*),(1, 88 N 8

#,9634.4 m ,)) 8=,I 89<634.>5 1,5 1<65
4O 694:45 4=5 26%15 4.5 :<83>65 ,% 4613,@=5
!#5 444 [5/\ 2,36.:65 53,.9 ,% 1<65
:,*.>5 534.:6=5 444 YW/\ 8==6)E26=5 1<65
26894.>5)6.5 ,% 1<65 :41;5 444 Y 5/\ <4=5
4.%4.6.:65 444 Y 5/\ 626:1695 ,.%82,.4636
%,3 24%65 4+5 XU/\ 268+6=5 2,36.:65
=6:3612;5 4+5 IWH/\ 965,=695 E;5 1<65
#4>.3;5 4[
#,3146 96163)4.695 ,.5 4+5 U
#58.4=<5 8394.82=@8334+825 4.5 2,36.:655 44
X 5/\ =*55,315 8314.5 O 5
#56:18:26 ,.5 1<65) ,5 4 XY5
#56:*2814,.=5 ,% 1<65 .145,5665 8.95 *:4F
:829,5 44 5
#54.4 m!,2%,I 8.95 <4=5 ,)58>.,::4 4+5
W[5W Y
#54.4m1<6I5 E8.H63=5 8.95 %83)63=5 44 5 WY 5
#54.,28 5*3:<8=6=5 *::85 44 5 W 5/\ G835
%,22,G=5 5 4 4.134>*6=5 ,% 1<65 *::<6=65
.,E26=5 #5 8E8.9,.=5 <4=5 E83>84.5 44 5
W
#5,24814,.5 E6%,3665 4.9*=13;5 44 5 W[
#15 ..6@=5 98;581 2,36.:655 44 5 [
#15 81<634.65 ,%#46.85 44 5 W Y
#15 83H@=5 :,.+6.15 E6=46>695 4+5 Y^
%4369 4+5 WW
#1835:,)58.;5 m1<645 44 5 WU
#16%8.4@=5 ,54.4,.5,% *625<=5 8.95 <4E62F
24.6=5 4 5 W
#1,4;5 ,% 6.3;5 ,% *D6)E,*3>@=5 9681<
85 -
#13818>6)5 ,% 834.8185 4 5 W W
#1368)5 ,%=,:4825 53,>36==5 4 5 U[
#13,7745 855,4.1695 E8.H631,5 1246 ,56=5 44 5
WY
#13,7745 m 832,I 4=5 1<36816.695 44 5 WX 5
#13,7745 m 42455,I 5 <8+4.>5)833469 2834:65
9620 694:45 I,4.=5 1<65 8394.825 815 381,
4+5 U 5/\ <4=5 53*96.:65 4+5 W/\ <4=5
5,=414,.5 8=5 <,=18>65 %,3 26)6.1@=5 >,,9
%841<5 4+5 U 5/\ E4=5 =:<6)6 ,% 6=:856
4+5 U W/\ 36268=695 E;5 26)6.15 ,.:65
),36I,4.4.>5 1<65)5634824=1=5 4+5 U 5/\
815 4=1,485 4+5 U 5/\ ,*1G41169 E;5 5B
5,241,5 4+5 U
2AH,1495)&=8142),5 85 #
#*::6==%*2 8118:H5 ,.5 1<65 4,)545 44 5 W5
#*::6==%*2 3849=5 ,% 1<65 2,36.14.6=5 4+5
[W
#*::6=5 ,% 1<65 96),:38:,5 4.5 1<65 G83=5 44 5
WYY/\ 1<643 4.94>.814,.5 G41<5 1<65 ,56
44 5 W [5/\ =*55,3169 E;5 63.839,5 O4=:,.14
8=5)5634825 O4:83 44 5 W [
#*%%634.>5 4.5 2,36.:65 4+5 [Y
#*536)65 5,1;63 :,.%63369 ,.5 248426=5
!*H65 ,% 828E348 5 4 5 UW[
#*=54:4,.=5 8>84.=1 1<65 85418.,5 44 5 UY5
#*=54:4,.=5 :,.:6384.>5 83E89,345 44 5 U 5
#*=54:4,.=5 6.163184.695 ,% K48.>826877,5
O4=:,.14 44 5 #

23=818 (35 95)35 (&48*85 #5 5
23=818 235 1 (;214 95 ,3&8,5)?8&*85 *5
#
23=818 235 36:=4 :35 95,*85 88 5 ##5
634,:5 9,*,148 (*8(

5 (481,35 *),(1,5 5 M B28118&).5
;828P35 47 5 834)8,385 888 5 !-W5
&)*&48P35 32A:8338 (5 4 5 45,5 :: (<
7,&*45*88 5 -#*M 8 :A8(5:&;,*1848>,(5
95 *),(1,*88 5 -
&O&48 (*A65 7&65 95 I 5 *88 5 ---5
,(;,(16 95 : (5 :2(818=&*5 8(34842<
48 (35 8 5
,(5 95 O &)*&(;5 95 ,&1,*(&:,;*88 5 -#"*M
&== 8(45 &*&4,34&*?,(,)&*.8(.158,95 88 5*
-#-
,):35 (45 9&5 2)&A*,5 4 5 *),(1,5 88
N!
,):35 95=,&1,*7845 5 8,(&*88 5
,):35 95=,&1,*:&;,*A65 *),(48(,35 7 8**85
8,(&5 #
,)))5 95 45,5 *),(48(,35 95 45,5 &)4,5
B2,*9&*88 5 -.
5,5 =,P35,(:846 4 5 $8(?5 *9 (3 5 888 5
#!"
5,*?65 95 4 5 &)@P35 8*5 5
5,)8,35 95 ? *,)(:,(45 8(5 *),(1,5 8
NN
5),&4,(8(?5= *8481&*38?(3*88 5 #N 5
5),&435 95 45,*4)82:*8)&4,*4 5 45,5 8?( )65
88 5 #
5),*5 =,35 95 *),(1,*8*5 5 #
@,(3 9 1 :8(? 4) 2A*,5 4 5 4&*65 8*5
-
),**85 3,8>,35)*8*88 5 -
)42),5 95 8: (18(88 5 #"N
)42),*&==*8,;*4 5 45,*= =2*&)*,&;,)3*88 5
#"
348[9&45,)]5 95 (411&338(8 5 #
4&*9&8*2),5 95 45,*5&)',34*88 5
7,)5 95 &(5 8(8&4 8 5 *
7,)3*45,5 3=,18&* :&)@5 95 &5 (A*,*
),38;,(1,M 8 5 !
)&(D28**846 9 4&*65 88 5 -
)&(34,*,),5 &(;5 1&34*,5 95 4 5 (?,* 5
32A:84*4 5 *,O&(;,)*88 5 !#
),&15,)65 95 45,*1* 1@:&@,)*88 5 #" 5
),&15,)65 95 45,5 *),(48(,*? ,)( )3*88 5
#
),&15,)65 95 45,*B2,*=5*1&=4&8(3*88 5 " 5
),&15D)65 7 8458(*45,*7&**3*8*5 -" 5
),&3 =5 95 &*&4,34&*8*5 -
),&3 (5 95 45,*7,&*4565 1848>,(3*8*5 - 5
),&465 A,47,,(5 83&(3*&(;*45,5),(15
@8(?*88 5
),&465 9)*45,*3&*,5 95 83&*4 *45,5 831 (48*
88 5 #
),&465 95 =,&1,*5 A,47,,(5 45,5 831 (48*
&(;5 *),(1,*88 5 ""

3681;' ,% 568:6' 36.6G69' G41<' 428.' 44' U
3681;' ,% 568:6' G41<' 4=8' 44'
3681;' ,% ,>>4E,.74' 4' WW[
3681;' G41<' *::8' ' [U
348.>*283'1<6,3;' ,%94+4.6' 34><1' 4' W
34*) 5<' ,% ,56'T*24*=' 4+'
3*:6' 6.%,3:69' E61G66.' 1<6' ,))) ,.B
G6821<81.9' 8E34622,' 44' WU
*) *21' 4.' 1<6' 48778' 4+' WX
*) *21,' 964' 4,) 54 (E6>4..4.>' ,% 8'
.6G65,:<4.' 2,36.14*6<4=1,3;' 44' '

*3H=' 28*9' 4.' 182;' 444' X
' . ' % . ' '
*=:8.' 268>*6' *.963' 1<6' 53,16:14,.' ,%
,56' . . ,:6.1' ' 4' Y ^' 2,36.:6'
36=*) 6=' 1<6' 8>>36==4+6' 1
=:8.' 5362816=' <,29' 8' :,.:42' 424' ['^
=*55,31' 1<6' =1816' 8.9' 8556821,' 8'
:,*.:42',%1<6' :<*3:<' 1'^ 6D:,)) *.4B
:816' 1<6' ,56' 444' [~
*=:8.' 365*E24:=' 94=*.4169' 44' YW
=:8.:' m ,.16=' ,%I' 4' '4
*=:8.:' .6+63' 8' H4.>9,) ' 4' '^ 4.B
+8969' E,' 5858' 8.9' #58.4=<13,,5=
4+' [' ^ 1<643' 813,:4,*=' :3*621;=[
;38..;' ,% K8E34622,F 8348' 4.' 4=8' 4'
WW
;38..;' ,%1<6' *625<' 85418.4' 44' W
;38..;' ,%1<6' 8316' *62%8' 49' '
;38..;' ,%1<6' 5,5*28:6' 44' Y

/ ' E3,*><1' 1,' 1<6' 8226>48.:6' ,%1<6'
,)) ,.G6821<' 4' W X^' 849' 1<6' 2,B
36.14.6=' 8>84.=1' 1<6' %366' :,) 58.46=' 44'
W [' ^ 4.' 1<6' 56..4.6=' *' W[
24E6314' %8) 42;' 1<643' 96=:6.1' 4' X' ^
5,=6==4,.=' 4.' 2,36.:6' 8.9' 3,*.9'
#:8.94::4' ' ^ 1<643' 4.%2*6..:6' M' [^
%43=1' :4+42' =134%6' 1' ^ <,*=6',%1<6' 81'
#8.18' 3,:6" 4' W ' ^ 36=4=1' 1<6',963=
,%1<6' ,96=1C' 4' WUY
E4A*41,:' ,% 2,36.14.6' 683=' 8.9' 6;6=' 44'
XU
?*8(P39,348'&*' .8' N.
.8.4) 41,:' ,%1<6' 2,36.14.6=' 44' [
.:,.=141*14,.82';4,26.:6' ,%1<6' >,+63.B
) 6.1' 44' Y ' 1
.>,92;' 8248.:6=' ,% ,56=' 8.9' H4.>=' 4+'
W
.5,5*2834:' ,% ,56' 26) 6.1' UWY
3E8.' O' 53,5,=6=8' .6G' 268>*6' G<4:<'
2,36.:6' 96:24.6=' 44' WU
3E4.,' m9*:<:' ,%I' 8..6D69' 1,' 1<6' =1816='
,%1<6' :<*3:<' 4+' YX
3E4.,' m 369634:H' ,%I' 855,4.169 1,' 1<6'
:,)) 8.9' 444' ['^ 18H6=:,)) 8.9',%
1<6' *::<6=6' 444 _ U^' 4=' 96%68169' 444

Y^ 6.>8>6=' 1<6' 6.6) +' .683' ,) ,28'
44' Y^ E28) 6=' !*H6' 826877,'
3E4.,@=' m!*H6',% I' :34) 6' 4+' [' ^ 41='
5*.4=<) 6.1' 4+' [Y
778.,' m 4::,29' 98I' 1<6' %,36) ,=1') 8.' 4.'
2,36.:6' ' UW' ^ *3>6=' 1<6' 6D:2*=4,*
,% 4,+8..4 96@ H2694:4' ' ^ :41476.=
626:1' <4)' .,1G41<=18.94.>' 44' UWU

' 4' 2' C' ' ==-
* ' .' 4' 2' C' ' 2' E
4 ' 4' 2' .' ' = =
&8(' 1 (1,338 (3' 9'45,' (A*,3' 8'
.8*;&:A)&' 8' T\#
&*' ;P *3&' 8' ! ! M' ;,31)8A,;' 8' !
&8' ;8' 58&(48' 8' !
&*)8' [ )&(1,31]' &(' &;' 1&4,' 9)' ((.'
),3834&(1,' 8' ' #" ' M' 3*&8(' 8('&')8 4' 8' '
#"
&481&(' [45,]' 3&1@,;' &(;' 4' ,4,)P3'
) AA,;' 8' ' -
,(,48&(' &:A&33&;)P3' 3(3=8;(3' 8' '
Y' M 4,34898,3' 4' 45,' 1 2)&?,' &(;' 98):<
(,33' 9' 45,' *),(48(,3' 8' ' M' &):6'
1) 33,3' 45,' 888' # -M'),7&);,;' A6'
45,' 1846' 888' # M' 1 (3484248 (' 8' '
"
,(,48&(3' &**6' 45,:3,*',3' 7845' 831 (4
88' #! ' M 8(h4(&48 (' 88' #N ' M' :&@,'
7&)' (' :A&);6' 888' -"' M (&'&*' 98?543'
7845' 45,' B,(,3,' 888' --M' 2(;,)' & r'
3,',)8(' ',).)2(',))&)&' 888' -" M'
*),(48(,3' 8(' *,&?2,' 7845' 45,' $8(?' 9'
&=*,3' #' M 844V' ;8' &34,**'),34),;'
4' 84,**8' 888' -"!' M 3211,33' 8(',))&)&
888' -" M' &?&8(';,9,&4,;' 888' - ' M 45,8)'
,99)43'4'),4)8,',' 45,:3,*',3' #' ,O<
1 : :2(81&4,;' 888' - #' M (,? 48&48 (3'
!9)' =,&1,' #' M 3&=,)8)846' 8(' 45,'
1 2(18*' #' M 83 *&4,' 45,:3,*',3' 9) :'
4&*8&(' &99888)3' 8' ' - M' 8(3=8),' 45,)'
4&*8&(' =7,)3' 7845' H,&* 23' 9,&)3' 8' '
#- ' M 8(' 45,' &3,(4: ' 8' ' # ' M',(4,)'
45,' &3,(48(' (,? 48&48 (3' 8' ' #! M'
=,&1,' 8' ' #!- M' ;,9,&4,4*' &4' B58&)&.'
;&;;&' 8' ' #- M'),1 ',)'),318&' 8' '
' M 34&(;' &* 9' 9) :' *),(1,' 8'
' -!N
,(81,'H 8(3' 45,'*,&?2,'&?&8(34' 45,' 1&*&'
$' # ' M' :&@,3' =,&1,' ('5,)' 7('4,):3'
88' #N' M 9):3' &' *,&?2,' 7845' 45,' * <
),(48(,3' 88' - " 48;,' f 9' 9)42(,'
15&(?,3' 88' - -' M),318&' 98 *3' 88'.- !' M
&):8?(2 *&'&== 8(4,;'?,(,)&*.8(.158,9'
#' M =,&1,' #' ';,4,14,;' 8(4)8?28(?' 9)'
45,' = 33,338 (' 9'),:(&' 888' !"' M
T;,4,):8(,3' (' 7&)' 784@' 9)>&' &(;'
*),(1,' 888' #' M 3,(;3' &(:',:A&336'
4' *),(1,' 888'
,))21 *& [&)15,3,]' 583' 789,' &(;' 3 (

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